

## Alireza Moayedikia (Candidate ID 2152783)



Kønnummer	6
Fornavn	Alireza
Efternavn	Moayedikia
Adresse	5/21 Princeton Terrace
Postboks	3086 Bundoora
Land	Australien
Statsborgerskab	Iran
Køn	Mand
Fødselsdato	21-03-1988
E-mailadresse	moayedikia.alireza@gmail.com
Mobiltelefon	+61-447292773

## Alireza Moayedikia

Department of Information Systems and Business Analytics, Deakin Business School, Deakin University,  
221 Burwood highway, Burwood, VIC, Australia.

Phone: +61447292773, Email: [amoayed@deakin.edu.au](mailto:amoayed@deakin.edu.au),

## Education

- PhD in Information Systems, Deakin University, Feb. 2015 – Feb. 2018.
  - Thesis: Machine learning solutions to enhance expertise matching on micro-task crowdsourcing platforms.
  - Supervisors: Dr. William Yeoh, Dr. Kok-Leong Ong and Dr. Yee Ling Boo.
- Master of Software Engineering, Staffordshire University, May 2012 – Sept. 2013.
  - Thesis: Weighted bee colony algorithm with an application in feature selection.
  - Supervisors: Dr. Hrudaya Kumar Tripathy and Dr. Richard Jensen.
- Bachelor of Software Engineering, Islamic Azad University, Feb. 2007 – Jul. 2011.
  - Thesis: Applications of harmony search in feature selection.
  - Supervisor: Dr. Rana Forsati.

## Work experiences

- **Telstra (Melbourne Office) [March 2018 – June 2018] – Data scientist – Supervisor: Dr. Colette Marais**
  - *Topic modeling through analysis of chat transcripts.*
- **Monash University (Clayton and Caulfield) – [ Feb 2018 – June 2018] – Sessional tutor**
  - FIT9132 – Introduction to databases – Dr. Maria Santiago
  - FIT5047 – Intelligent systems design – Dr. David Dowe.
- **Telstra (Melbourne Office) [November 2017 – March 2018] – Data science Intern – Supervisor: Dr. Colette Marais**
  - *Text mining for customer churn prediction.*
  - *Topic modeling through analysis of chat transcripts.*
- **Aurecon (Melbourne office) [May 2017 – October 2017] – Data science Intern – Supervisor: Dr. Slaven Marusic**
  - *Analysis and optimization for resource allocation.*
  - *Analysis and optimization to ease the process of financial data auditing procedure.*
  - *Analysis of interview transcript files to extract discussions and topics.*
  - *Analysis of workshop dataset to extract insights of interest.*
  - *Analysis of Yammer conversations.*
- **Monash University (Clayton campus) [Feb 2017 – June 2017] – Sessional tutor**
  - Tutor – FIT3140 Advanced programming [Feb 2017 – June 2017 ] – Lecturer: Dr. Nawfal Ali
- **Deakin University (Burwood campus) [July 2015 – October 2017] – Sessional**
  - Tutor – SIT105 Critical thinking and problem solving for IT [Feb 2017 – May 2017] – Lecturer: Dr. Nick Patterson
  - Webinar assistant – MIS779 Decision analytics in practice [Feb 2017 – May 2017] – Unit chair: Prof. Rens Scheepers
  - Webinar assistant – MIS775 Predictive analytics [Feb 2017 – May 2017] – Lecturer: Dr. Zahra Hosseini
  - Tutor – MIS781 Business Intelligence [July 2016 – Oct 2016] – Lecturer: Dr. William Yeoh
  - Webinar assistant – MIS779 Decision analytics in practice [July 2016 – Oct 2016] – Unit chair: Prof. Rens Scheepers
  - Tutor – MIS271 Business Intelligence and data warehousing [Feb 2016 – May 2016] – Lecturer: Dr. William Yeoh
  - Webinar assistant – MIS779 Decision analytics in practice [Feb 2016 – May 2016] – Unit chair: Prof. Rens Scheepers
  - Tutor – MIS762 Data warehousing [July 2015 – Oct 2015] – Lecturer: Dr. William Yeoh
  - Tutor – MIS781 Business intelligence [July 2015 – Oct 2015] - Lecturer: Dr. William Yeoh
  - Webinar assistant – MIS781 Business intelligence [July 2015 – Oct 2015] - Lecturer: Dr. William Yeoh
- **La Trobe University (Bundoora campus) [May 2015 – July 2017] – Sessional - Supervisor: Dr. Kok-Leong Ong**
  - Programmer - course recommender system for La Trobe University students [Jan 2017 – May 2017]
  - Research assistant programmer - Effects of global financial crisis on crowdfunding [Apr 2016 – Dec 2016]
  - Designing a new algorithm for task assignment in crowdsourcing platforms – [Nov. 2015 – May 2016]
  - Research assistant - Big data applications in electricity meters [May 2015 – Oct. 2015]
- **Shahid Beheshti University [Oct 2010 – Jan 2015] – research assistant programmer - Supervisor: Dr. Rana Forsati**
  - Data pre-processing using ACO algorithm [Oct. 2010 to Mar. 2012]

- Webpage Recommender Systems [Oct. 2013 to Jan. 2015]

## **Scholarships and awards**

- Deakin University overseas conference grant – AU\$3000, December 2016.
- Deakin University Postgraduate Research (DUPR), Australia. AU\$25850 (per year), 2015 – 2018.
- Departmental scholarship, Aberystwyth University, Wales, UK. GBP 8000 (per year), 2014 – 2017
- Recognized reviewer for *Knowledge-based Systems* and *Applied Soft Computing* journals.

## **Research and teaching interests**

My research interests are the application of machine learning, data mining and information retrieval in areas of web and social networks, data analytics healthcare and business.

## **Publications** [GoogleScholar](#)

### **PhD thesis publications:**

1. A. Moayedikia, R. Jensen, KL. Ong, YL. Boo, W. Yeoh, Unsupervised expertise estimation of crowdsourcing workers using rough set, (In preparation)
2. A. Moayedikia, KL. Ong, YL. Boo, W. Yeoh, Task assignment in microtask crowdsourcing using learning automata, *Engineering Applications of Artificial Intelligence*, 2018.
3. A. Moayedikia, Multi-objective community detection algorithm with node importance analysis in attributed networks, *Applied Soft Computing*, 2018.
4. A. Moayedikia, KL. Ong, YL. Boo, W. Yeoh, “Meta-heuristic multi-objective community detection based on users’ attributes”, in proceedings of Australasian conference on Data Mining, Melbourne, 2017.
5. A. Moayedikia, W. Yeoh, KL. Ong, YL. Boo, “Classification Framework and Literature Analysis for Crowdsourcing’s Answer Aggregation”, *Journal of Computer Information Systems*, 58 (1) pp. 1 – 12, 2017.
6. A. Moayedikia, KL. Ong, YL. Boo, W. Yeoh, R. Jensen, Harmony search based feature selection approach to high dimensional imbalance class datasets. *Engineering Applications of Artificial Intelligence*, Elsevier, 2017
7. A. Moayedikia, KL. Ong, YL. Boo, W. Yeoh, Bee colony based worker reliability estimation in microtask crowdsourcing, *International Conference on Machine Learning and Applications (ICMLA) 2016*, Los Angeles, acceptance rate: 24.69%

### **Before PhD:**

8. A. Moayedikia, R. Jensen, U.K. Wiil, R. Forsati, “Weighted bee colony algorithm for discrete optimization problems with application to feature selection”, *Engineering Applications of Artificial Intelligence*, 44, pp. 153 – 167, 2015
9. R. Forsati, A. Moayedikia, M. Shamsfard. “An Effective Web Page Recommender using Binary Data Clustering”, *Information Retrieval Journal, Springer*, 18 (3) pp. 167-214, 2015
10. R. Forsati, A. Moayedikia, R. Jensen, M. Shamsfard, M.R. Meybodi, “Enriched ant colony optimization and its application to feature selection”, *Neurocomputing, Elsevier*, 142, pp. 354-371, 2014
11. M. Mirkhani, R. Forsati, A. Mohammad Shahri, and A. Moayedikia. “A novel efficient algorithm for mobile robot localization”, *Robotics and Autonomous Systems, Elsevier*, 61(9), pp. 920-931, 2013
12. R. Forsati, A. Moayedikia and A. Keikha. “A Novel Approach for Feature Selection based on the Bee Colony Optimization”, *International Journal of Computer Applications* 43(8), pp. 13-16, 2012
13. R. Forsati, A. Moayedikia, and B. Safarkhani. “Heuristic Approach to Solve Feature Selection Problem”, In *Digital Information and Communication Technology and Its Applications*, pp. 707-717. Springer Berlin Heidelberg, 2011

## **Skills**

- IBM Watson Analytics
- Python
- Scala
- Matlab
- R studio
- C sharp
- T-SQL and Microsoft SQL Server
- Machine learning and pattern recognition (classification, clustering, one class learning and optimization techniques)
- Natural Language Processing

## **Conference and Journal reviewer**

- Australian Journal of Information Systems
- Knowledge based systems
- Expert Systems with Applications
- Applied Soft Computing

## **References**

Will be provided upon request.

## Cover Letter – Alireza Moayedikia

I am pleased to submit my application for the advertised vacancy, Assistant lecturers at the Department of Computer Science, at Copenhagen University. After working for some years at academia and industry, I realized that an academic job such as lecturer or Postdoc suits me more than industry related work. This is mainly due to my interest into teaching and conducting research. Hence, I found this vacancy suitable for myself and decided to submit an application. I have currently submitted my PhD thesis and it is under examination since 1<sup>st</sup> March.

I started my PhD in February 2015, under full scholarship of Deakin University, Australia. During my PhD I analysed crowdsourcing platforms by introducing new machine learning and optimization based algorithms. The outcomes of my PhD research to date, has been a number of publications in reputable national and international conferences and journals, as listed on my CV.

Before I start my PhD, I completed my bachelor degree in Software Engineering in my home country, Persia (Iran), in July 2011 and later I finished master of Software Engineering in Staffordshire University (Malaysia branch) in September 2013.

After completing my bachelor degree I was hired as a research assistant at Natural Language Processing lab in National University of Iran during October 2010 to March 2012 and later during October 2013 to January 2015, under supervision of Dr. Rana Forsati (who currently is an assistant professor at University of California). In this period of collaboration we (i.e., NLP lab fellows) worked on feature selection, and recommender systems that led to several publications in journal articles and conference proceedings.

After the start of my PhD, again I obtained an opportunity to get involved into a sessional position as research assistant at La Trobe University during May 2015 to July 2017. Within this period I was working under supervision of Associate Professor Dr. Kok-Leong Ong. We worked on several projects where the important ones are Big Data Analytics for electricity meters and Crowdfunding Data Analytics.

Besides, I involved into teaching assistant and tutoring at Deakin University since July 2015 to October 2017. During this period I has a chance to work with several faculty members at School of Information Systems on many subjects as: MIS781 and MIS271 – Business Intelligence and Data Warehousing (Dr. William Yeoh), MIS762 –Data Warehousing and Big Data Analytics (Dr. William Yeoh), MIS782 – Value of Information (Prof. Rens Scheepers), MIS779 – Decision Analytics in Practice (Prof. Rens Scheepers), MIS775 – Predictive Analytics (Dr. Zahra Hosseini) and at school of IT on subject, SIT105 – Critical thinking and problem solving for IT (Dr. Nick Patterson).

Later, I was admitted as a tutor and teacher assistant at Monash University for the subject of FIT3140 – Advanced Programming (Dr. Nawfal Ali Ali). In this subject we delivered mainly lessons on object oriented programming and design. However, during lab sessions we worked on a variety of lessons and activities including Internet of Things (IoT), Java and Node.js Programming and time/project management activities.

## Cover Letter – Alireza Moayedikia

This period of teaching at Monash only last for one semester (i.e., February – June 2017) and after that in May 2017 for a five month period, I started working as a Data Science Intern at Aurecon Company. Aurecon is a South African engineering and consultation company. I started working in Melbourne branch in Digital Insights teams under several projects, such as matching employees with projects, analysis of interview transcripts and analysis of financial auditing data using machine learning and data mining tools.

This period of Internship not only gave me an opportunity to release how academic research can be applied to practical and industry-based research, and help me to get connections and networking with industry people, but also to better show my capabilities and research skills for industry. Hence, right after October 2017 (when I finished my Data Science internship with Aurecon) I started a new Data Science internship with Telstra Corporation, Australian Telecommunication Company.

I started working at Telstra (which is one of the biggest Australian Telecommunication companies) in November 2017. In this position I am analysing textual data including comments, chats and phone calls transcripts to understand customers' behaviour. The result of this analysis is to predict the churn likelihood of a Telstra customer. In this analysis I am using machine learning based algorithms and tools to clean up, and classify/cluster textual data.

This period of tertiary education and involvement into different activities such as research, teaching, studying and working in industry, has taught me several things that I can benefit from in my future career.

One is improvements in communication and networking skills, which is resulted from working with many people at different working environments of academia and industry. Also I had a chance to improve my abilities to work effectively as part of a multi-disciplinary, regionally dispersed research team. During this period I collaborated with not only in people from Australia (e.g., lecturers, my PhD supervisors and people from industry) but also from other parts of the world including, Denmark (Prof. Uffe Kock Wiil), U.K. (Dr. Richard Jensen), USA (Dr. Rana Forsati) and home country Iran (Prof. Mohammad Reza Meybodi).

Based on my past research and industry experiences and also my passion and interest to research and teaching, I think I can be one of the best candidate for this vacancy and hence I am submitting an application for it. I have attached my detailed CV and other required documents for this application. Thank you for considering my application and I am looking towards your positive response.



13 March 2018

**To Whom It May Concern**

**Re:** Mr Alireza Moayedikia  
**Student Id:** 214384663  
**Course Code:** M900 – Doctor of Philosophy  
**Faculty/Institute:** Faculty of Business and Law  
**School/Centre:** Department for Information Systems and Business Analytics  
**Commenced:** 26 February 2015  
**Campus:** Melbourne Burwood Campus  
**Study Mode:** Full-time

This letter is to advise that the above named candidate submitted his thesis entitled 'Studying Crowdsourcing Using Machine Learning and Optimisation-based Approaches' for examination on 1 March 2018.

Although Mr Moayedikia's thesis is currently under examination, he is still enrolled in a Doctor of Philosophy at Deakin University.

The course was registered with CRICOS, undertaken in English at the Melbourne Burwood Campus, Victoria, Australia.

Please do not hesitate to contact me if you have any queries.

Kind Regards,

A handwritten signature in black ink, appearing to read 'K. Percival', is placed over a horizontal line.

Ms Kate Percival  
Senior HDR Advisor (Examinations)  
Deakin Research

## Master degree certificate



Alireza Moayedikia

has been awarded the

### University Postgraduate Certificate

having followed an approved programme of study in

Software Engineering  
21st March 2013

*Mohamed Naeem*

Pro-Chancellor



*R. J. Green*  
Vice-Chancellor

■ CREATE THE DIFFERENCE

Note: This certificate to be used in conjunction with a transcript issued separately

## Master degree certificate



Name of Student	: Alireza Moayedikia		Date of Birth	: 21 March 1988		
University Reference	: APIIT reference TP028228			HESA Reference	: Not Applicable	
Level of Qualification	: Masters Degree not mainly by research not completed			Date of Award	: 21 March 2013	
Award Title	: Postgraduate Diploma in Software Engineering			Prof. Body Accreditation	: Not Applicable	
Final Classification	: Postgraduate Diploma Pass			Mode of Study	: Full Time	
Awarding Institution	: Staffordshire University, UK			Language Assessment	: English	
Teaching Institution	: Asia Pacific University of Technology & Innovation Kuala Lumpur, Malaysia			Language of Instruction	: English	
Other Learning	: Not Applicable			Placement	: Not Applicable	
Academic Year	Module Code	Module Title	Grade Point	Credit Achieved	Level	
2011 / 2012	CE00783-7	Quality and Project Management for Technology	9	15	M	
2011 / 2012	CE00731-7	Network Systems and Technologies	10	15	M	
2011 / 2012	CE00203-7	Strategic Planning and Systems Development	7	15	M	
2011 / 2012	CE00754-7	Interaction Design	9	15	M	
Total Credits Achieved :						60

Academic Registrar and Director of the Student Experience:

To check validity of this transcript call: +44 1785 353241

Date of Issue: 11 April 2013

Transcript

## Iman Chouikhi (Candidate ID 2133888)



Kønnummer	12
Fornavn	Iman
Efternavn	Chouikhi
Adresse	Ruten 41 1. tv
Postboks	2700 Brønshøj
Land	Danmark
Statsborgerskab	Sverige
Køn	Kvinde
Fødselsdato	04-08-1996
E-mailadresse	i-m-a-n@hotmail.com
Privattelefon	+45-41231165
Mobiltelefon	+45-41231165

## Iman Chouikhi – CV

### Personlige oplysninger

Iman Chouikhi  
Ruten 41 1. tv  
2700 Brønshøj  
Tlf.: 41231165  
Mail: [i-m-a-n@hotmail.com](mailto:i-m-a-n@hotmail.com)



### Kort om mig

Jeg er en 21 årig ambitiøs kvinde, som søger relevant erhvervserfaring, samt udvidelse af netværk. Til hverdag studerer jeg BA i Sundhed og Informatik på Københavns Universitet, jeg forventes at færdiggøre sommeren 2018. Som person er jeg omsorgsfuld, smilende og meget detaljeorienteret. Jeg bryder mig ikke om at efterlade løse ender, hvilket er noget gør sig gældende for mig, i alle henseender i mit liv. Jeg sætter derudover stor stolthed i at færdiggøre opgaver, overholde deadlines, samt yde mit bedste for at levere kvalitet.

### Uddannelse

#### 2015- 2020 Sundheds og Informatik

- Fagligt fokus:

Jeg ønsker at få en dybdegående forståelse for hvordan Teknologi og Sundhed hænger sammen.

Jeg er især interesseret i sundhed i et globalt perspektiv. Derudover vil jeg gerne blive klogere på hvordan den stigende udvikling og implementering af teknologi, herunder hvordan velfærdsteknologi i et sundhedsfagligt perspektiv, kan anvendes med størst muligt udbytte.

- Udbytte:

Min studier inden for Sundhed og Informatik, har hidtil givet mig bred viste af IT-kompetencer i det jeg har arbejdet med flere programmer og programeringssprog. Derudover har som Sundhed og Informatik studerende fået indsigt i systemudvikling, projektledelse og hvordan det danske sundhedsvæsenet er organiseret.

### **Erhvervserfaring og tilhørende kompetencer**

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#### **2013 – 2018 Deltidsansat som salgsassistent i Kvickly**

- Kundebetjening
- Uddybe god service
- åbne- og lukkeansvarlig, i både kiosk og bager
- Oplæring af medarbejdere
- Har været med til at kortlægge arbejdsgange for servicemedarbejdere i bageren
- Sandwich- og smørbrødspige
- Arbejde i team

#### **Reference:**

Jørgen Engel, Varehuschef, tlf.: 35528000

Søs Falk Tow, Forområdeckef, tlf.: 35528000

Dorthe Sigmundsson, Kundechef, tlf.: 35528000

#### **2014 – 2015 Rollemodel hos FerieCamp**

- Basketballtræner for børn og unge i mit lokalområde
- Planlægning af sportsaktiviteter for børn og unge
- Konflikthåndtering
- Arbejde selvstændigt

#### **2017- Nu Studentermedhjælper hos Diagnostisk Center i Region Hovedstaden**

- IT-Support, opgaveløsning
- Implementering af Sundhedsplatformen i Psykiatrien Region H
- Sidemandsoplæring i Sundhedsplatformen af forskellige faggrupper i Psykiatrien

- Outreach i Region Hovedstaden på henholdsvis Psykiatrisk Center Amager, Herlev hospital og Rigshospitalet, hvor jeg har haft møder med sundhedspersonale om tilpasning og optimering af Sundhedsplatformen.
- Implementering af Sundhedsplatformen på Roskilde Universitetshospital i Region Sjælland
- Sidemandsoplæring og brugeropsætning i Sundhedsplatformen, Brystkirurgisk Afdeling på Rigshospitalet og Herlev Hospital

#### **April 2018 – Student assistant, IPR System Support**

- Implementering og drift af sagsstyringsystem INTEUM hos Tech Trans kontoret
- Dokumentation af sager og opfindelser
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#### **Frivilligt arbejde**

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#### **Sommeren 2016 Røde Kors (Vikar)**

- Salgsassistent i butik
- kundebetjening
- åbne- og lukke ansvarlig

#### **Lektiehjælper**

- Folkeskole- og Gymnasieniveau
- Tålmodighed
- Høj Faglighed
- Pædagogisk tilgang

#### **Playmaker hos GAME**

- Basket træner og rollemodel for unge

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## Sprogkundskaber

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**Arabisk** – Modersmål

**Dansk** – Flydende i skrift og tale

**Engelsk** – Flydende i skrift og tale

**Fransk** – God forståelse både skrift og tale

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## IT-kompetencer

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**Office-pakken:** Stor brugererfaring

**KUnet:** Stor brugererfaring

**Java:** Godt kendskab

**R studio:** Godt kendskab

**Android studio:** Godt kendskab

**Matlab:** Godt kendskab

**Nvivo:** Godt kendskab

**Cyberduck:** Godt kendskab

**MySQL Workbench:** Godt kendskab

**Sundhedsplatformen:** Rutineret bruger

Kompetencer i både Apple og Windows software.

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## Fritidsinteresser

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Jeg interesserer mig for alt fra sport, litteratur og sprog.

Er der noget jeg sætter pris på, så er det at gå ture med mennesker jeg holder af. Og så er der ikke noget der slår en god bog og en kop lækker myntete.

Iman Chouikhi  
Mail: [i-m-a-n@hotmail.com](mailto:i-m-a-n@hotmail.com)  
Tlf. nr.: 41 23 11 65

21-05-2018

## **Ansøgning til stillingen undervisningsassistent i kurset IT-projektledelse på Datalogisk institut**

### **Detaljeorienteret ung kvinde, som er klar til at blive en del af teamet!**

Kære rette vedkommende

Mit navn er Iman og jeg er på udkig efter et spændende, udfordrende og studierelevant job. Jeg vil gerne tilegne mig ny viden og udvide mit netværk, hvorfor jeg ønsker at prøve kræfter af med en stilling som undervisningsassistent.

#### **Min Faglige baggrund**

Til dagligt studerer jeg Sundhed og Informatik på 6. semester, hvor jeg p.t. er i fuld gang med mit bachelorprojekt om MS patienters motivation for anvendelse wearables. Med i min faglige baggage har jeg kurser såsom; IT projektledelse, systemudvikling, IT-sikkerhed og programmering kombineret med sundhedsfaglige fag, såsom, humanbiologi, sygdomslære og bioinformatik.



#### **Hvad kan jeg tilbyde Jer?**

Som Studentermedhjælper i Region Hovedstaden, har jeg som en del af Studenterholdet været en del henholdsvis af 4. og 5. implementerings bølle af Sundhedsplatformen i Region Hovedstadens Psykiatri og Roskilde Universitets hospital i Region Sjælland. Her har jeg primært arbejdet med on-site brugersupport og oprettelse af sager. Udeover at supportere i Sundhedsplatformen under implementeringsbølgerne, har jeg haft mulighed for at sidemandoplære og undervise diverse faggrupper i praktisk anvendelse af Sundhedsplatformen. Jeg har dermed erfaring med at formidle viden på en hensigtsmæssig og pædagogisk måde. Som en del af Studenterholdet arbejdet både selvstændigt og et team. Derudover har jeg fået flair for at videreforsimle min viden, i form af tilrettelagt undervisning, udarbejde vejledninger og manualer. Jeg kan tilbyde jer en ansvarsfuld samt servicemindet kollega, der forstår at imødekomme udfordringer med stor faglighed og gå på mod. Disse er kompetencer jeg klart vil tage i brug, hvis jeg betragtes til stillingen. Jeg mener at denne stilling yderligere vil forbedre og løfte mine faglige formidlingsevner, hvorfor jeg håber min ansøgning har fanget Jeres interesse. Såfremt dette er tilfældet, ser jeg frem til at høre fra Jer.

De bedste hilsener,  
Iman Chouikhi

University of Copenhagen  
VUE: RA060U/STADSSB

Date 21.05.2018  
Page 1 of 2

List of Passed Subjects

Iman Chouikhi  
Ruten 41,1 tv  
2700 Brønshøj



KØBENHAVNS  
UNIVERSITET

It is hereby confirmed that Iman Chouikhi, Civil Registration Number: 040896-1122, is enrolled as a student at University of Copenhagen.

Name of the education: Bachelor's programme

**The student has not graduated.**

The student has passed the following subjects.

The credits are shown in ECTS

	Marks	Grade	ECTS	Credits
Bachelor's programme, Health Informatics				150.0
Bachelor, Major subject 180 ECTS, Health Informatics				150.0
Health Informatics				150.0
Mandatory elements				120.0
1. year test		passed		60.0
Modelling and Programming	4	D		15.0
Ethics and Philosophy of Science		passed		5.0
Ethics and Philosophy of Science		passed		5.0
Ethics and Philosophy og Science		Passed		0.0
Philosophy og Science, Technology and Ethics	12	A		5.0
Introduction to Epidemiology	4	D		7.5
Health Informatics: Systems Development & Databases	02	E		7.5
Introduction to Medical Image Analysis	7	C		10.0
Intro til Sundhed og Informati		passed		5.0
Introductory Course		Passed		5.0
Statistiske metoder		passed		10.0
Stat. metoder		passed		10.0
Statistical Methods		Passed		0.0
Statistical Methods	7	C		10.0
Human Biology and Diseases		passed		20.0

University of Copenhagen  
VUE: RA060U/STADSSB

Date 21.05.2018  
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### List of Passed Subjects

Iman Chouikhi, Civil Registration Number: 040896-1122

Human Biology and Diseases	passed	20.0
Human Diseases for Non-Clinicians	4 D	10.0
Human Biology	passed	10.0
Humanbiologi 2016 udg.	passed	10.0
Exam in Human Biology	7 C	5.0
Course in Human Biology	Passed	5.0
IT Security	4 D	7.5
Bioinformatics	7 C	5.0
IT-Project Management	10 B	7.5
The Organization of Health Care Systems	passed	10.0
Introduction to Organization	10 B	10.0
Analysis and the Structure and Function of Health Care Systems		
Interaction Design	passed	7.5
Interaction Design	02 E	7.5
Project in Human-Computer Interaction or IT-Project Management	passed	2.5
Project in Human-Computer Interaction or IT-Project Management	10 B	2.5
Elective Courses	passed	30.0
Transferred from University of Copenhagen, Denmark	Passed	5.0
Biological Psychology and Neuropsychology		
Transferred from University of Copenhagen, Denmark	Passed	5.0
Summer Course in Global Health Challenges		
Transferred from University of Copenhagen, Denmark	Passed	5.0
Summer Course in Global Health Challenges		
Development of Cloud-based Health Apps	4 D	7.5
Qualitative Methods and Co-design of Self-care Technologies	7 C	7.5

## Jan Rolandsen (Candidate ID 2135507)



Kønnummer	4
Fornavn	Jan
Efternavn	Rolandsen
Adresse	Skaffervej 1, 2tv
Postboks	2400 København NV
Land	Danmark
Statsborgerskab	Danmark
Køn	Mand
Fødselsdato	04-09-1956
E-mailadresse	jan@rolandsen.dk
Privattelefon	+45-35831564
Mobiltelefon	+45-35831564

**Tidligere beskæftigelse ved KU:**

Jeg har senest været ansat i 1.semester (2017-18) på Københavns Universitet som "Undervisningsassistent" i kurset "Diskret matematik og algoritmer (DMA) (Bsc)" samt kurset "Programmering og Problemløsning (PoP, F#) (BSc)", hvor begge kurser er semesterkurser.

I 2016 tilknyttet KU som undervisningsassistent i kurset "Programmering og problemløsning (F#)" samt kurset "Datanet" under studiet "Datalogi".

I 2015 tilknyttet KU som instruktor i kurset "Datanet" under studiet "Datalogi".

I 2014 tilknyttet KU som instruktor i kurset "Datanet" under studiet "Datalogi".

I 2013 tilknyttet KU som undervisningsassistent i kurset "Programmering og problemløsning (Python)" under studiet "Naturvidenskab og IT".

I 2013 tilknyttet KU som undervisningsassistent i kurset "Modellering i Naturvidenskab" under studiet "Naturvidenskab og IT".

I 2012 tilknyttet KU som undervisningsassistent i kurset "Naturvidenskab og IT" samt "Grundlæggende Datalogi" under studiet "Medier, Erkendelse og Formidling".

I 2012 tilknyttet KU som undervisningsassistent i kurserne "Modellering i Naturvidenskab" og "Programmering og problemløsning" under studiet "Naturvidenskab og IT" samt "Grundlæggende Datalogi" under studiet "Medier, Erkendelse og Formidling".

I 2011 tilknyttet KU som undervisningsassistent i kurset "Programmering og problemløsning (POP, Python)" under studiet "Naturvidenskab og IT".

I 2011 tilknyttet KU som undervisningsassistent i kurserne "Datanet" under studiet "Datalogi" og "Algoritmer & Datastrukturer" under studiet "Naturvidenskab & IT".

I 2011 tilknyttet KU som undervisningsassistent i kurset "Databaser og Webprogrammering" under studiet "Datalogi".

I 2010 tilknyttet KU som undervisningsassistent i kurset "Programmering og problemløsning (POP, Python)" under studiet "Naturvidenskab og IT".

I 2010 tilknyttet KU som undervisningsassistent i kurset "Datanet".

Mvh Jan Rolandsen

Ansøgning vedr. Undervisningsassistent ved KU i blok 1+2, 2018-19.

Jeg var ansat på Københavns Universitet som ”Undervisningsassistent” i kurset ”Diskret matematik og algoritmer (DMA) (BSc) i blok 1 og 2” samt kurset ”Programmering og Problemløsning (PoP, F#) (BSc) i blok 1 og 2” i 2017.

Jeg er bachelor fra januar / 2010 i Datalogi - Matematik.  
Mit studie indeholder gymnasiepakken i Datalogi og Matematik.

Jeg har ingen kurser i blok 1 eller blok 2, da jeg er udmeldt fra kandidatstudiet.  
Jeg vil derfor være interesseret i følgende kurser i blok 1+2:

- **Diskret matematik og algoritmer (DMA) i blok 1+2, 2018/19**
- **Programmering og problemløsning (PoP) i blok 1+2, 2018/19**

Jeg har tidligere været ansat under flere kurser:

- ”Algoritmer & Datastrukturer” (AD)
- ”Databaser og Webprogrammering” (DBW)
- ”Datanet” (DN)
- ”Diskret matematik og algoritmer” (DMA)
- ”Grundlæggende Datalogi” (GD)
- ”Modellering i Naturvidenskab” (MIN)
- ”Programmering og problemløsning” (POP, F#)
- ”Programmering og problemløsning” (POP, Python)

Jeg kan nåes via email: jan@rolandsen.dk

Bilag: CV + Eksamensudskrift + Kursusbevis

Mvh Jan Rolandsen

Jan Rolandsen  
Skaffervej 1,2 tv  
2400 København NV



KØBENHAVNS  
UNIVERSITET

Dato 04.01.2016

Det bekræftes hermed, at Jan Rolandsen, cpr-nr: 040956-0857, er indskrevet som studerende ved Københavns Universitet.

**Navn på uddannelsen: embedseksamen**

**Uddannelsen er afsluttet den 26.06.2009.**

Den studerende har bestået nedenstående aktiviteter.

Aktiviteternes belastning vises i ECTS, som er 1/60 års værk

	Karak- ter	ECTS- kar.	13-skala- kar.	Belastning
embedseksamen, matematik-fysik	bestået			150,0000
udelt uddannelse 300 ECTS, matematik-fysik	bestået			150,0000
Mat-Fys-Kandst-O				150,0000
300 ECTS kandidat				150,0000
Matematik bachelor kurser centrafag				22,5000
Algebra 1	7	C		7,5000
Introduktion til diskret matematik og algebra	10	B		7,5000
Sandsynlighedsregning og statistik	02	E		7,5000
Datalogi bachelor kurser centrafag				45,0000
Algoritmer og Datastrukturer	7	C	9	7,5000
Databaser og Webprogrammering	10	B		7,5000
Datalogiens Videnskabsteori	B			7,5000
Datanet	B			7,5000
Oversætttere	7	C		7,5000
Videregående algoritmik	4	D	7	7,5000
Datalogi andet kurser centrafag				7,5000
Scientific Computing	10	B		7,5000
Andet bachelor kurser centrafag				20,0000
Datalogi 0	7	C	8	0,0000
Datalogi 0 rapport	7	C	9	0,0000
Datalogi 0 skriftlig	02	E	6	0,0000
Datalogi 1M (Maskinnær programmering)	7	C	9	20,0000
Maskinarkitektur, operativsystemer, C, talrepræsentation og maskin- og parallelprogrammering				
Datalogi 1M (Rapport)	10	B	10	0,0000
Datalogi 1P (Rapport)	7	C	9	0,0000
Matematik 1 (1974-ordning)	7	C	9	0,0000
NAT-gruppe blandet bach centrafag				55,0000
Datalogi 1M (Skriftlig)	4	D	7	0,0000
Datalogi A for matematikere	7	C	8	0,0000
Kemi A	B			0,0000
Matematik 1 sandsynlighedsregning og statistik	B			0,0000

Jan Rolandsen, cpr-nr 040956-0857

Matematik 101 (lineær algebra og funktioner af flere reelle variable) (8 pkt.)	7	C	9	20,0000
Matematik 102 (elementer af den klassiske analyse)	7	C	8	20,0000
Matematik 213 (differentialligninger med anvendelse i fysik) (4 pkt.)	12	A	11	10,0000
Matematik 224 (kompleks funktionsteori)	B			5,0000

**Navn på uddannelsen: kandidatuddannelsen**

**Uddannelsen er afsluttet den 26.06.2009.**

Den studerende har bestået nedenstående aktiviteter.

Aktiviteternes belastning vises i ECTS, som er 1/60 årsværk

	Karak- ter	ECTS- kar.	13-skala- kar.	Belastning
kandidatuddannelsen, matematik-økonomi	bestået			150,0000
udelt uddannelse 300 ECTS, matematik-økonomi	bestået			150,0000
Mat-Øk-Kandst-Ord				150,0000
300 ECTS kandidat				150,0000
Matematik bachelor kurser centrafag				22,5000
Algebra 1	7	C		7,5000
Introduktion til diskret matematik og algebra	10	B		7,5000
Sandsynlighedsregning og statistik	02	E		7,5000
Datalogi bachelor kurser centrafag				45,0000
Algoritmer og Datastrukturer	7	C	9	7,5000
Databaser og Webprogrammering	10	B		7,5000
Datalogiens Videnskabsteori	B			7,5000
Datanet	B			7,5000
Oversætttere	7	C		7,5000
Videregående algoritmik	4	D	7	7,5000
Datalogi andet kurser centrafag				7,5000
Scientific Computing	10	B		7,5000
Andet bachelor kurser centrafag				20,0000
Datalogi 0	7	C	8	0,0000
Datalogi 0 rapport	7	C	9	0,0000
Datalogi 0 skriftlig	02	E	6	0,0000
Datalogi 1M (Maskinnær programmering)	7	C	9	20,0000
Maskinarkitektur, operativsystemer, C, talrepræsentation og maskin- og parallelprogrammering				
Datalogi 1M (Rapport)	10	B	10	0,0000
Datalogi 1P (Rapport)	7	C	9	0,0000
Matematik 1 (1974-ordning)	7	C	9	0,0000
NAT-gruppe blandet bach centrafag				55,0000
Datalogi 1M (Skriftlig)	4	D	7	0,0000
Datalogi A for matematikere	7	C	8	0,0000
Kemi A	B			0,0000
Matematik 1 sandsynlighedsregning og statistik	B			0,0000
Matematik 101 (lineær algebra og funktioner af flere reelle variable) (8 pkt.)	7	C	9	20,0000
Matematik 102 (elementer af den klassiske analyse)	7	C	8	20,0000
Matematik 213 (differentialligninger med anvendelse i fysik) (4 pkt.)	12	A	11	10,0000
Matematik 224 (kompleks funktionsteori)	B			5,0000

Jan Rolandsen, cpr-nr 040956-0857

**Navn på uddannelsen: bacheloruddannelsen**

**Uddannelsen er afsluttet den 28.01.2010.**

Den studerende har bestået nedenstående aktiviteter.

Aktiviteternes belastning vises i ECTS, som er 1/60 års værk

	Karak- ter	ECTS- kar.	13-skala- kar.	Belastning
bacheloruddannelsen, matematik-datalogi	bestået			185,0000
bachelor centrale fag 180 ECTS, matematik-datalogi	bestået			185,0000
Mat-Dat-Bac-Ord				185,0000
180 ECTS Bachelor				185,0000
Gruppemerit, Københavns Universitet	B			7,5000
Matematik 1 sandsynlighedsregning og statistik				7,5000
Gruppemerit, Københavns Universitet	7	C		22,5000
Datalogi 0				22,5000
Matematik bachelor kurser tilvalg2				7,5000
Algebra 1	7	C		7,5000
Introduktion til diskret matematik og algebra	10	B		7,5000
Sandsynlighedsregning og statistik	02	E		7,5000
Datalogi bachelor kurser tilvalg2				60,0000
Algoritmer og Datastrukturer	7	C	9	7,5000
Databaser og Webprogrammering	10	B		7,5000
Datalogiens Videnskabsteori	B			7,5000
Datanet	B			7,5000
Maskinarkitektur				7,5000
Meritoverført, Københavns Universitet	B			7,5000
Erstattes af Datalogi 1M fra 1991				7,5000
Oversættere	7	C		7,5000
Styresystemer og multiprogrammering				7,5000
Meritoverført, Københavns Universitet	7	C		7,5000
Erstattes af Datalogi 1 M fra 1991				7,5000
Videregående algoritmik	4	D	7	7,5000
Datalogi andet kurser tilvalg2				7,5000
Scientific Computing	10	B		7,5000
NAT-gruppe blandetbach tilvalg2				55,0000
Matematik 101 (lineær algebra og funktioner af flere reelle variable) (8 pkt.)	7	C	9	20,0000
Matematik 102 (elementer af den klassiske analyse)	7	C	8	20,0000
Matematik 213 (differentialligninger med anvendelse i fysik) (4 pkt.)	12	A	11	10,0000
Matematik 224 (kompleks funktionsteori)	B			5,0000
Datalogi 2B - bachelorprojekt (10 ECTS)	10	B		10,0000

**Navn på uddannelsen: kandidatuddannelsen**

**Uddannelsen er ikke afsluttet.**

Den studerende har bestået nedenstående aktiviteter.

Aktiviteternes belastning vises i ECTS, som er 1/60 års værk

	Karak- ter	ECTS- kar.	13-skala- kar.	Belastning
kandidatuddannelsen, datalogi og matematik				67,5000
kandidat centrale fag 75 ECTS, datalogi				30,0000
Datalogi centralfag 75 ECTS				30,0000

Jan Rolandsen, cpr-nr 040956-0857

Obligatoriske kurser				7,5000
Advanced Algorithms and Data Structures				0,0000
Fritaget, Københavns Universitet	B			0,0000
dækket af Algoritmer og datastrukturer samt				
Videregående Algoritmik				
Statistical methods for machine learning				7,5000
Statistical methods for machine learning	7	C		7,5000
Begrænset valgfrie kurser inde				22,5000
Begrænset valgfrie kurser indenfor kompetenceprofilen				22,5000
Computational Geometry	02	E		7,5000
Datalogi kandidat kurser centralfag				15,0000
Proactive Computer Security	7	C		7,5000
Signal and image processing	12	A		7,5000
kandidat 45 ECTS tværgående tilvalg, matematik				37,5000
45 ECTS Matematik tilvalg				22,5000
Matematikkens historie 1	10	B		7,5000
Geometri 1	7	C		7,5000
Mål & Integral eller Sandsynlighedsregning og Statistik 2				7,5000
Mål og integralteori (MI)	02	E		7,5000
Benyttes kun ved nedskrivning af sidefag				15,0000
Helt valgfrit tilvalg				15,0000
Matematik andet kurser tilvalg 2				7,5000
Numerisk løsning af differentialligninger:	B			7,5000
Differensmetoder				
Datalogi bachelor kurser tilvalg2				0,0000
Andre kurser				7,5000
Grundkursus i de naturvidenskabelige fags didaktik	02	E		7,5000

#### Navn på uddannelsen: kandidatuddannelsen

##### Uddannelsen er ikke afsluttet.

Den studerende har bestået nedenstående aktiviteter.

Aktiviteternes belastning vises i ECTS, som er 1/60 årsværk

	Karak- ter	ECTS- kar.	13-skala- kar.	Belastning
kandidatuddannelsen, datalogi				37,5000
kandidat centrale fag 120 ECTS, datalogi				37,5000
Generel kompetence profil i datalogi				37,5000
Kandidatgrundfaget				7,5000
Begrænset valgfrie kurser indenfor kompetenceprofilen				7,5000
Computational Geometry	02	E		7,5000
Frit tilvalg				30,0000
Helt valgfrit tilvalg				15,0000
Fysik Kandidat Kurser til brug i Tilvalg				7,5000
Scientific Computing	10	B		7,5000
Andre kurser				7,5000
Grundkursus i de naturvidenskabelige fags didaktik	02	E		7,5000
Bachelorkurser 15 ECTS				15,0000
Matematik bachelor kurser centralfag				7,5000
Introduktion til diskret matematik og algebra	10	B		7,5000
Datalogi bachelor kurser centralfag				7,5000
Datanet				7,5000
Andet bachelor kurser centralfag	B			0,0000

Jan Rolandsen, cpr-nr 040956-0857

Datalogi 0	7	C	8	0,0000
Datalogi 0 rapport	7	C	9	0,0000
Datalogi 0 skriftlig	02	E	6	0,0000
Datalogi 1M (Rapport)	10	B	10	0,0000
Datalogi 1P (Rapport)	7	C	9	0,0000
Matematik 1 (1974-ordning)	7	C	9	0,0000

Den karakter, der vises i kolonnen "Karakter" er karakteren i 7-trinsskalaen. Hvis der er angivet en karakter i kolonnen "13-skalakarakter", betyder det, at den studerende oprindelig har fået en karakter efter 13-skalaen, og at denne er omregnet til 7-trinsskalaen.

## Jannick Kirk Sørensen (Candidate ID 2152942)



Kønnummer	7
Fornavn	Jannick Kirk
Efternavn	Sørensen
Adresse	Jægersborggade 12 1.th
Postboks	2200 København
Land	Danmark
Statsborgerskab	Danmark
Køn	Mand
Fødselsdato	24-07-1967
E-mailadresse	jannicks@audiotales.net
Privattelefon	+45-35820758
Mobiltelefon	+45-27125488

# CV - Jannick Kirk Sørensen, PhD

*born July 24, 1967*

Jægersborggade 12 1.th, DK-2200 Copenhagen N,  
Phone: +45 2712 5488. Mail: [jannicks@audiotales.net](mailto:jannicks@audiotales.net)



## ***Education:***

- PhD in Media Science, 2011, from University of Southern Denmark (SDU), Denmark
- MA in Interaction Design, 2003, from Malmö University (Malmö Högskola / Malmoe University), Sweden (with Professor Pelle Ehn)
- BA in Theatre Science and Aesthetics of Dance, 1993, from University of Copenhagen, Denmark

## ***Positions:***

Sep. 2017 -	Visiting Post doctoral Scholar at Hans-Bredow Institute for Media Science, University of Hamburg. Affiliated with the research project "Algorithmed Public Spheres"
Mar. 2016 –	Post doc. at Center for Communication, Media and Information Technologies (CMI), Department of Electronic Systems, Aalborg University Copenhagen
Mar. 2012 – Feb. 2016	Assistant Professor at Center for Communication, Media and Information Technologies (CMI), Department of Electronic Systems, Aalborg University Copenhagen
Sep. 2010 - Feb. 2012	Research Assistant at Center for Communication, Media and Information Technologies (CMI), Department of Electronic Systems, Aalborg University Copenhagen
Sep. 2007 – Dec. 2008	Visiting Scholar at Interaction Design Lab, FH-Potsdam and Europäische Medienwissenschaft, Universität Potsdam. Participating in research activities at Design Research Lab, Berlin (Deutsche Telekom / TU-Berlin).
Jan. 2007 - Aug. 2010	PhD scholar at University of Southern Denmark, Institute for Literature, Culture and Media, Odense, Denmark
July 2006 - Jan. 2007	Research Assistant (Interaction Designer) at Center for Information and Communication Technologies at Department of Informatics and Mathematical Modeling (IMM), Technical University of Denmark (DTU), affiliated with the EU FP6-IST project "MAGNET beyond"

Sep. 2003 - July 2006	Amanuensis at University of Southern Denmark, Institute for Literature, Culture and Media, Odense, Denmark (incl. the Interreg project "FilmTrain")
1990 - 2000	Freelance journalist, Danish Broadcasting Corporation P1, Radio feature department. Sound designer for film, exhibitions and theatre.

**Research areas:**

With a foundation in the Humanities and in Design Studies, my research bridges the construction approaches of design and engineering with the critical human-centred studies of the relation between humans, systems and technology. I examine this relation in two cases: 1) The inner nature of ICT services, 2) The public, the public media and the algorithms

*1) The inner nature of ICT services*

The project examines the tension between formalised ICT systems, traditional face-to-face services and the embodied contingency of the real-world user needs. The tension becomes manifest in the praxis of interaction design and digital service design through shortcomings in 1) the pliability of the digital product (its usability in a particular context), 2) the methodological weaknesses in user involvement, 3) the inability of ICT services to handle service recovery on the same level as in human service encounters. The project thus theorises on the true nature of ICT 'services' and human services in the age of Internet of Things, Big Data and Artificial Intelligence.

*2) The public, the public media and the algorithms*

As an example of a non-tangible service with big importance to the public we analyse the digital challenges for public service media (Öffentlich-rechtlicher Rundfunk) posed by the new algorithmic modes of recommending and distributing content e.g. via social media and personalisation. Not only issues of 'filter bubbles' and 'echo chambers' pose challenges to the cohesion of societies, but the algorithmic decision making involved in the content recommendation redefines also central concepts such as enlightenment, diversity and user sovereignty. Furthermore, the algorithmic decision-making in general poses design challenges not only in making the mechanics of the process transparent, but also in stimulating and consolidating users' agency in the 'domestication' of the advanced intelligent ICT-services: How to design for user agency in advanced ICT decision-making systems? How to delegate power of decision between system developers, software, skilled users and dis-interested users? The case of the design of recommender algorithms for public service media is thus a good vehicle for developing design principles for the delegation of power and securing user- / citizen agency in advances ICT services in general. The development of these principles will address questions of technopaternalism, individual sovereignty, and the relation between on the one side 'citizens',

'individuals', 'consumers' and on the other side 'the public', 'public authorities', 'service providers'.

**Teaching:**

I have been teaching and supervising students at universities in Denmark, Germany and Sweden since 2003. I teach in English, German and Danish languages. Topics for my lectures are: Interaction design, user experience, embodied interaction, ICT service design participatory design, usability, design theory, creativity, computer ethics, information theory and aesthetics, content and media management (recommender systems), media production, and problem-based learning. I have supervised +80 student projects ranging from design and development of interactive services, multimedia productions, documentary film to master theses in Computer Engineering. I have furthermore been reviewing PhD theses and other academic work.

I have played an active role in developing the curricula for the BSc. study programme "IT, communication and new media ([itcom.aau.dk](http://itcom.aau.dk)) and the MSc. study programme "Innovative Communication Technologies and Entrepreneurship" ([icte.aau.dk](http://icte.aau.dk)) at Aalborg University, particularly with a focus on interaction design, problem-based learning, project development and design creativity. I have also produced marketing material for the two study programmes.

Through the inter-disciplinary collaboration at Center for Communication, Media and Information technologies (CMI) at Aalborg University, I have a broad insight both in technical, regulatory, societal and economic aspects of ICT, e.g. in case of 5G telecom technology or the case of web privacy, content recommendation and personalisation, e.g. expressed in my co-authorship on publications on 5G standardisation, and in my publications on web privacy measurement of 99 European media websites.

**Praxis:**

I have worked with UX, usability, interaction design and ICT-service design since year 2000. After graduating as a Master of Arts in Interaction Design from Malmoe University 2003, I have worked with own projects as well as I have offered consultancy for other projects along my academic career. My PhD project focussed on media personalization technologies used for customization of web services. The case study was the Danish media company "DR" and their initiative "mitDR" ("myDR"). Particularly, the UX related questions of how to facilitate the user's customization process, as well as a wider understanding of UX in terms of the wider user needs were in focus.

I lead UX research- and design processes on a daily basis as a university teacher in Interaction design, and as supervisor for app / service development projects carried out by BSc. and MSc. computer engineering students. UX research and design is fixed requirement for all student group projects (Aalborg University group-based project work, using Agile methods).

As a former journalist at DR (Danish Broadcasting Corporation) and with much of my UX research being user-centered, qualitative methods such as interviewing, think-aloud, co-design and ethnographic observation / participation are indeed familiar to me.

Quantitative data has come to play a much bigger part in my work, research and teaching, e.g. expressed in my quantitatively driven analysis of the users' privacy exposure to third-party services at 99 media websites from 19 European countries.

- Co-founder of UX-Camp Copenhagen, launched 2012
- Collaboration with UX practitioners and computer engineers from the industry, e.g. Volvo User Experience Competence hub, Mobil Life (Danske Bank), Loop UX, Pausable, Densou (ad-technology)
- Member of UX-Denmark (former: [sigchi.dk](http://sigchi.dk))
- Guest-editor of International Journal of e-Services and Mobile Applications (IGI publications)
- Co-editor of the CMI working paper series
- Reviewer for scientific journals and research funds
- Co-author of five Horizon 2020 projects applications, as well as other research applications and ERASMUS+ applications
- Partner coordinator and local project manager of the ERASMUS+ strategic partnership project "OnCreate" (2014-17)

**Language skills:**

Danish (native), German (fluent), English (fluent)

**Current work address:**

PhD, Post doc. at Center for Communication, Media and Information Technologies (CMI),  
Department of Electronic Systems, Aalborg University Copenhagen, A. C. Meyers Vænge  
15, DK-2450 Copenhagen SV. Mail: [js@cmi.aau.dk](mailto:js@cmi.aau.dk)

Copenhagen May 19, 2018

*Application for the positions as Teaching Assistant at  
'KOMIT Analysis, design and control of IT infrastructure' and  
'KOMIT Konceptudvikling og innovation i blok 1 og 2'*

I have been teaching Interaction Design and ICT service development at two computer engineering study programmes at Aalborg University, Copenhagen since 2010, both at bachelor level (BSc. IT, Communication and New Media), master level (MSc. Innovative Communication Technologies and Entrepreneurship) and continuing education (Master of ICT). In that context I have also been supervisor for XX semester, BA and MA projects, mainly in development of ICT applications, as well been project co-supervisor.

Unforeseen circumstances, in terms of a sudden budget cut at AAU, implies a discontinuation of my work relationship with Aalborg University, effective from July 2018. As I am a dedicated teacher and researcher I am now seeking a framework to continue my work. I am aware that the job of a teaching assistant is to assist, and I am very willing to take the related tasks on me. My former positions as Assistant Professor and Post at Center for Communication, Media and Information technologies at AAU Copenhagen included a number of administrative tasks, including coordination of teachers and projects during the semester. I have for the period 2018 - 2022 been appointed as External examiner ('censor') in Engineering (Censornet.dk).

My background as an Interaction Designer is in the Scandinavian Participatory Design tradition - a Master's degree in Interaction Design from Malmö University. In my recent research in ICT-centric service encounters I suggest however a more 'realistic' approach to ICT as design material, as well a less 'romantic' conceptualisation of the 'user'. My PhD degree is within Media Science, but through its topic - media personalisation technologies - it has a technology-oriented approach to the understanding of media content provision. My research at AAU has strengthened the technological perspective in my research, still however with a focus on the relationship between users, technology and the embedded agenda-setting in the application of technologies.

Attached is my teaching portfolio, CV, list of publications, list of supervised projects.

I hope that this application will be well received. I am available for more information, as well as an interview.

Yours sincerely,  
Jannick Kirk Sørensen

mail: jannicks@audiotales.net phone: +45 2712 5488

UNIVERSITY OF SOUTHERN DENMARK

HEREBY CONFIRMS THAT

Name            **Jannick Kirk Sørensen**

born            **24<sup>th</sup> July 1967**

HAS BEEN AWARDED THE

**PhD degree**

in recognition of scientific attainments in

**Humanities**

as demonstrated by a thesis entitled

**The Paradox of Personalisation - Public Service Broadcasters'  
Approaches to Media Personalisation Technologies**

Odense,

9<sup>th</sup> December 2011

  
**Flemming G. Andersen**  
Dean

SYDDANSK UNIVERSITET

TILDELER HERMED

**navn** **Jannick Kirk Sørensen**

**født** **24. juli 1967**

# Ph.d.-graden

i anerkendelse af videnskabelige kvalifikationer inden for

**Humaniora**

godtgjort ved afhandlingen

**The Paradox of Personalisation - Public Service Broadcasters'  
Approaches to Media Personalisation Technologies**

Odense,

9. december 2011

  
**Flemming G. Andersen**  
døkan

**SYDDANSK UNIVERSITET**  
**UNIVERSITY OF SOUTHERN DENMARK**



**Bilag til Ph.d.-bevis af 9. december 2011**  
*Supplement to PhD-certificate of 9<sup>th</sup> December 2011*

**Navn:** **Jannick Kirk Sørensen**  
*Name:* *Jannick Kirk Sørensen*

**Født:** **24. juli 1967**  
*Born:* *24<sup>th</sup> July 1967*

**VEJLEDERE:**

Lektor Bo Kampmann Walther, Institut for Litteratur, Kultur og Medier, Syddansk Universitet, hovedvejleder fra 1. juni 2007

Professor Kirsten Drotner, Institut for Litteratur, Kultur og Medier, Syddansk Universitet, Hovedvejleder indtil 1. juni 2007

Professor med særlige opgaver Anders Henten, Institut for Planlægning, Aalborg Universitet, Ballerup, ekstern bivejleder

*Supervisors:*

*Associate Professor Bo Kampmann Walther, Institute of Literature, Media and Cultural Studies, University of Southern Denmark, principal supervisor from 1<sup>st</sup> June 2007*

*Professor Kirsten Drotner, Institute of Literature, Media and Cultural Studies, University of Southern Denmark, principal supervisor until 1<sup>st</sup> June 2007*

*Professor with special responsibilities Anders Henten, Department of Development and Planning, Aalborg University, Ballerup, external supervisor)*

**KURSER SVARENDE TIL 30 ECTS**

*Courses corresponding to approx. 6 months:*

Projektworkshop, H. C. Andersen Forskerskolen, Syddansk Universitet, september 2006

*ProjectWorkshop, Hans Christian Andersen Graduate School, University of Southern Denmark, September 2006*

Ph.d.-kursus: Fra ansøgning til projektplan, H.C. Andersen Forskerskolen, Syddansk Universitet, marts 2007

*PhD-course: From Application to project planning, Hans Christian Andersen Graduate School, University of Southern Denmark, March 2007*

Ph.d.-kursus: Afhandling til tiden, H.C. Andersen Forskerksolen Syddansk Universitet, marts 2007

*PhD-course: Dissertation on time, Hans Christian Andersen Graduate School, University of Southern Denmark, March 2007*

Paper præsenteret på Broadcasting, Commerce and Commons v/Graham Murdoch, Forskerskolen i medier, kommunikation og journalistik, Københavns Universitet, april 2007

*Presentation with paper at Broadcasting Commerce and Commons, with Graham Murdoch, Danish Research School for Media, Communication and Journalism, University of Copenhagen, April 2007*

Seminar med Paper-præsentation på EURO ITV Konferencen i Amsterdam, Holland, maj 2007

*Seminar with Paper-presentation at EURO ITV Conference in Amsterdam, The Netherlands, May 2007*



Ph.d.-seminar: NordForsk: New Media? New Theories? New Methods?, University of Helsinki, Finland, august 2007  
*PhD-Seminar: NordForsk: New Media? New Theories? New Methods?, University of Helsinki, Finland, August 2007*

NordMedia konference med paper-præsentation, Helsinki, Finland, august 2007  
*NordMedia konference med paper-præsentation, Helsinki, Finland, August 2007*

PhD-Summerschool: The Political Economy of ICT, paper, discussion. NordICT, Syddansk Universitet, august 2008  
*PhD-Summerschool: The Political Economy of ICT, paper, discussion. NordICT, University of Southern Denmark, August 2008*

Shortpaper, 7. danske HCI symposium, IT-Universitetet i København, november 2007  
*The 7th Danish HCI Research Symposium, IT University of Copenhagen, November 2007*

Konference: Public Service - De 10 bud, Copenhagen Business School, januar 2008  
*Conference: Public service: The Ten Commandments, Copenhagen Business School, January 2008*

Ph.d.-kursus: The evolution of media: from Face- to- Face to FaceBook, Forskerskolen i medier, kommunikation og journalistik, Københavns Universitet, marts 2008  
*PhD-course: The evolution of media: from Face- to- Face to FaceBook, Danish Research School for Media, Communication and Journalism, University of Copenhagen, March 2008*

Konference med Paperpræsentation: RIPE@2008, Mainz, Tyskland, oktober 2008  
*Conference with Paperpresentation: RIPE@2008, Mainz, Germany, October 2008*

Deltagelse på aftenkollokvium "The Guardian": Die Strategie des "Guardian" in der Online-Ökonomie. Institut für Medien- und Kommunikationspolitik, Berlin, Tyskland, april 2009  
*Participation in The Strategy of the Guardian in the on-line Economy, Institute for Media and Communication Studies, Berlin, Germany April 2009*

Ph.d.-workshop med oplæg, H.C. Andersen Forskerskolen, Syddansk Universitet, juni 2009  
*PhD-workshop with presentation, Hans Christian Andersen Graduate School, University of Southern Denmark, June 2009*

Konference: Media Governance in Europe - Regulation, participation, Co-Determination. University of Hamburg, Tyskland, juni 2009  
*Conference: Media Governance in Europe - Regulation, participation, Co-Determination. University of Hamburg, Germany, June 2009*

Ph.d.-kursus: Social Media: Analyzing Identity, Sociality and Creativity in Online Networked Environments, Forskerskolen i medier, kommunikation og journalistik, Kalundborg, juni 2009  
*PhD-course: Social Media: Analyzing Identity, Sociality and Creativity in Online Networked Environments, Danish Research School for Media, Communication and Journalism, Kalundborg, June 2009*

Participation and presentation at weekly colloquium, Design Research Lab ved Deutsches Telekom Laboratories, Berlin, Tyskland, 2009-2011  
*Participation and presentation at weekly colloquium, Design Research Lab ved Deutsches Telekom Laboratories, Berlin, Germany, 2009-2011*



**MILJØSKIFT:**

*Experience abroad:*

Europäische Mediewissenschaft, Universität Potsdam, Tyskland. Empiri-indsamling.

I perioden fra d. 1. september 2007 til d. 20. juni 2008

*European Media Studies, University of Potsdam, Germany. Collection of empirical data.*

*In the Period from 1<sup>st</sup> September 2007 to 20<sup>th</sup> June 2008*

**VIDENFORMIDLING:**

*Teaching, lecturing, etc.:*

I løbet af forskeruddannelsen er der gennemført videnformidling svarende til 840 arbejdstimer.

*During the PhD-programme the requirement of 840 hours teaching, lecturing, etc. is fulfilled.*

På fakultetssekretariats vegne  
*On behalf of the Faculty Secretariat*

Dato: 9. december 2011  
*Date: 9<sup>th</sup> December 2011*

En rapport lavet i Pure. Udarbejdet af: Jannick Kirk Sørensen (js@cmi.aau.dk), 19/05/2018 16:26

## Studenteropgaver

Liste af Studenteropgaver

### 2018

#### Adino

Sami Besbes, Mihnea Stevie

IT, Kommunikations- og Medieteknologi, Bachelor, (Bacheloruddannelse) 3. semester, 2018

Studenteropgave: Semesterprojekt

### 2017

#### A Diversity by Design Recommender System for the Movie Application Domain.: A recommender system with diversification by design for the movie application domain.

Michele Zanitti

Innovativ kommunikationsteknik og entreprenørskab, Kandidat, (Kandidatuddannelse) 4. semester, 2017

Studenteropgave: Speciale

#### An Evaluation and the Development of Information Architecture Design for ROCKFON's Reference Gallery Page

Abiola Ruth Adedeji

Innovativ kommunikationsteknik og entreprenørskab, Kandidat, (Kandidatuddannelse) 4. semester, 2017

Studenteropgave: Speciale

#### BSc\_Furry\_Tails\_UX\_Marius\_Ciprian\_Mardare\_2017\_ITCOM\_CPH

Marius Ciprian Mardare

IT, Kommunikations- og Medieteknologi, Bachelor, (Bacheloruddannelse) 6. semester, 2017

Studenteropgave: Bachelorprojekt

#### Errand Express

Sonia Garcia Librilla, Deema Lama

IT, Kommunikations- og Medieteknologi, Bachelor, (Bacheloruddannelse) 3. semester, 2017

Studenteropgave: Semesterprojekt

#### Exploring Complexity of Amazon Book Reviews for Book Recommendation

Alan Mohedeen

Innovativ kommunikationsteknik og entreprenørskab, Kandidat, (Kandidatuddannelse) 4. semester, 2017

Studenteropgave: Speciale

#### Exploring methods to find and label latent topic-groups in a blogging environment

Seynabou Ndiaye

Innovativ kommunikationsteknik og entreprenørskab, Kandidat, (Kandidatuddannelse) 4. semester, 2017

Studenteropgave: Speciale

#### Is there potential of implementing a Recommender Systems on ROCKFON's inspiration pages?

Abiola Ruth Adedeji

Innovativ kommunikationsteknik og entreprenørskab, Kandidat, (Kandidatuddannelse) 3. semester, 2017

Studenteropgave: Semesterprojekt

#### Light Control

Karolis Pavydys

IT, Kommunikations- og Medieteknologi, Bachelor, (Bacheloruddannelse) 2. semester, 2017

Studenteropgave: Semesterprojekt

**Mobile Checkout**

Pawel Andrzej Kowalinski, Aleksander Nowak, Maciej Krygier  
IT, Kommunikations- og Medieteknologi, Bachelor, (Bacheloruddannelse) 2. semester, 2017  
Studenteropgave: Bachelorprojekt

**P2 - Android Application - Lumos**

Olga Zofia Oszczanowska  
IT, Kommunikations- og Medieteknologi, Bachelor, (Bacheloruddannelse) 2. semester, 2017  
Studenteropgave: Semesterprojekt

**P2 ITCOM group 208**

Zein Al-Khakani, Lucian Nahorne, Gustav Johannes Nalders, Ibrahim Ismail  
IT, Kommunikations- og Medieteknologi, Bachelor, (Bacheloruddannelse) 2. semester, 2017  
Studenteropgave: Semesterprojekt

**P2P Offline Emergency Communication System**

Pawel Andrzej Kowalinski, Aleksander Nowak, Maciej Krygier, Pamela Fernanda Garcia Briones  
IT, Kommunikations- og Medieteknologi, Bachelor, (Bacheloruddannelse) 3. semester, 2017  
Studenteropgave: Semesterprojekt

**P2 Report Lumos Group 204**

Mikkel Mathias Winther  
IT, Kommunikations- og Medieteknologi, Bachelor, (Bacheloruddannelse) 2. semester, 2017  
Studenteropgave: Semesterprojekt

**Redolence: navigating the fragrance shelves**

Mihai Nueleanu  
Innovativ kommunikationsteknik og entreprenørskab, Kandidat, (Kandidatuddannelse) 3. semester, 2017  
Studenteropgave: Semesterprojekt

**Thin thick blending in YouSee**

Jesper Hauge Jensen  
Master i Informations- og kommunikationsteknologier (Efter- og videreuddannelse), (Masteruddannelse) 3. semester, 2017  
Studenteropgave: Masterprojekt

**Time Registration Application Project**

Christian Toft Hansen  
IT, Kommunikations- og Medieteknologi, Bachelor, (Bacheloruddannelse) 3. semester, 2017  
Studenteropgave: Semesterprojekt

**Usability implications of introducing token based two factor authentication in a corporate environment**

Svetoslav Borisov Bakalov  
Innovativ kommunikationsteknik og entreprenørskab, Kandidat, (Kandidatuddannelse) 4. semester, 2017  
Studenteropgave: Speciale

**2016**

**"Academia" – an Application for Academic Language Improvement**

Raluca Alexandra Fetic  
IT, Kommunikations- og Medieteknologi, Bachelor, (Bacheloruddannelse) 6. semester, 2016  
Studenteropgave: Bachelorprojekt

**A Location Based Recommender System in Physical Shopping Environment**

Hossain Ahmad, Seynabou Ndiaye  
Innovativ kommunikationsteknik og entreprenørskab, Kandidat, (Kandidatuddannelse) 3. semester, 2016

Studenteropgave: Masterprojekt

**A news recommender story: An attempt to build a news recommender system**

Constantin Cătălin Popescu, Harjit Singh Sahota, Magnus Andreas Nebel Sohn

Innovativ kommunikationsteknik og entreprenørskab, Kandidat, (Kandidatuddannelse) 3. semester, 2016

Studenteropgave: Masterprojekt

**EatUp**

Stefan Petersen, Sebastian Vissing Clausen, Mark Lindstrøm Pedersen Junge, Aleksander Oliver Frese

IT, Kommunikations- og Medieteknologi, Bachelor, (Bacheloruddannelse) 3. semester, 2016

Studenteropgave: Semesterprojekt

**ITCOM3 Group 2 - BeFriendly: BeFriendly**

Hristo Borisov Bakalov, Krisztán Rudolf Babos, Frederik Julius Eriksen, Sebastian Sbirna

IT, Kommunikations- og Medieteknologi, Bachelor, (Bacheloruddannelse) 3. semester, 2016

Studenteropgave: Semesterprojekt

**P2Lock - Sharing done right**

Michal Ozaniak, Yoav Schwartz, Daniel Frank Balchasan, Nicolai Strøm Steffensen, Alexandra-Flavia Brumar, Dmitrijs

Bambulaks

IT, Kommunikations- og Medieteknologi, Bachelor, (Bacheloruddannelse) 2. semester, 2016

Studenteropgave: Semesterprojekt

**PhoToDo - development of a task sharing application**

Khizar Mukhtiar, Ahmad Bassam Hanifah, Filip Adamik, Ján Spak, Vu Ngoc Viet Nguyen

IT, Kommunikations- og Medieteknologi, Bachelor, (Bacheloruddannelse) 2. semester, 2016

Studenteropgave: Bachelorprojekt

**Remote control app**

Georgi Georgiev

IT, Kommunikations- og Medieteknologi, Bachelor, (Bacheloruddannelse) 6. semester, 2016

Studenteropgave: Bachelorprojekt

**RentMate**

Ignas Bagdonas, Matas Navickas, Pavel Zablockij, Edgar Pavliukovic, Michal Demcak, Michal Kristofik

IT, Kommunikations- og Medieteknologi, Bachelor, (Bacheloruddannelse) 2. semester, 2016

Studenteropgave: Semesterprojekt

**Semester project P3 Group 9, Alexander Kappel, Christian Holm, Kivan Nami Saber: 3. Semester project AAU CPH**

Kivan Nami Saber, Christian Bredmose Holm, Alexander Hansen Kappel

IT, Kommunikations- og Medieteknologi, Bachelor, (Bacheloruddannelse) 3. semester, 2016

Studenteropgave: Semesterprojekt

**The Relation between User experience, Privacy and Information Overload in e-boks.dk: What is user's perception of the value proposition of e-boks.dk?**

Aglika Plamenova Nikolova

Innovativ kommunikationsteknik og entreprenørskab, Kandidat, (Kandidatuddannelse) 4. semester, 2016

Studenteropgave: Speciale

**The Relation between User experience, Privacy and Information Overload in e-boks.dk**

Aglika Plamenova Nikolova

Innovativ kommunikationsteknik og entreprenørskab, Kandidat, (Kandidatuddannelse) 4. semester, 2016

Studenteropgave: Speciale

**Vendor , Vending Machines System**

Paul Cseidi, Michail Gratsias, Khizar Mukhtiar, Ahmad Bassam Hanifah

IT, Kommunikations- og Medieteknologi, Bachelor, (Bacheloruddannelse) 3. semester, 2016  
Studenteropgave: Semesterprojekt

**Weather based music recommendation**

Mario Xavier Coloma Ruiz, Alan Mohedeen  
Innovativ kommunikationsteknik og entreprenørskab, Kandidat, (Kandidatuddannelse) 3. semester, 2016  
Studenteropgave: Masterprojekt

**2015**

**A user Study about the determinate phonebook**

Xi Wang  
Innovativ kommunikationsteknik og entreprenørskab, Kandidat, (Kandidatuddannelse) 4. semester, 2015  
Studenteropgave: Speciale

**Book-lit, e-library**

Edgars Raudive, Vitalijs Cehs, Gabriel Louis Bruno Danielsen, Nilas Thomsen  
IT, Kommunikations- og Medieteknologi, Bachelor, (Bacheloruddannelse) 3. semester, 2015  
Studenteropgave: Semesterprojekt

**Data offloading in the context of a public municipal Wi-Fi network: Case:Copenhagen**

Andrei Bogdan Varga, Kasper Richard Møller, Lucian Tirca, Cristian Alexandru Onu  
IT, Kommunikations- og Medieteknologi, Bachelor, (Bacheloruddannelse) 4. semester, 2015  
Studenteropgave: Semesterprojekt

**Information Systems Development - A research study in information request process at MAN Diesel & Turbo Corporation**

Wilmer Entena  
Innovativ kommunikationsteknik og entreprenørskab, Kandidat, (Kandidatuddannelse) 4. semester, 2015  
Studenteropgave: Speciale

**Levetiden for smartwatch batterier**

Harjit Singh Sahota  
IT, Kommunikations- og Medieteknologi, Bachelor, (Bacheloruddannelse) 6. semester, 2015  
Studenteropgave: Bachelorprojekt

**Meet'n'Eat**

Laurentiu Narcis Zait, Alexis Emmanuel Labrosse, Andreas Havmøller Johnsen, Mantas Cibulskis, Sára Janácková  
IT, Kommunikations- og Medieteknologi, Bachelor, (Bacheloruddannelse) 3. semester, 2015  
Studenteropgave: Semesterprojekt

**Mobile Data Connectivity at Crowded Events**

Aron Jozsef Marossy, Ahsan Javaid, Gibeom Kim, Hangyeol Kim, Marius Ciprian Mardare, Raluca Alexandra Fetic,  
Sesang Kim  
IT, Kommunikations- og Medieteknologi, Bachelor, (Bacheloruddannelse) 4. semester, 2015  
Studenteropgave: Semesterprojekt

**Navitas**

Alan Jamal Hasan, Christine Ingerslev, Christoffer Dyssegard, Jaromír Kuchynka, Tobias Udbjørg Marcussen  
IT, Kommunikations- og Medieteknologi, Bachelor, (Bacheloruddannelse) 3. semester, 2015  
Studenteropgave: Semesterprojekt

**p3 group 5**

Marius Ukrinas, Jógvan á Steig, Sammi Stokkebro Andersen, Tommy Sielemann Sørensen  
IT, Kommunikations- og Medieteknologi, Bachelor, (Bacheloruddannelse) 3. semester, 2015  
Studenteropgave: Semesterprojekt

**SmartBike: Navigate Smarter**

Arnab Podder, Jonas Degrn Andreasen, Watsamon Louise Laungsaard Christensen, Saffet Ismet Tosun, Mikkel Krøngaard Eskildsen  
IT, Kommunikations- og Medieteknologi, Bachelor, (Bacheloruddannelse) 3. semester, 2015  
Studenteropgave: Semesterprojekt

**Sportify Application**

Nicolaj Højgaard Lilja, Michael Stobbe Meincke, Oskars Matiss, Jakob Emil Rømer-Bruhn, Ida Hee Søemod  
IT, Kommunikations- og Medieteknologi, Bachelor, (Bacheloruddannelse) 3. semester, 2015  
Studenteropgave: Semesterprojekt

**2014**

**A Redesign of CPH Airport Indoor Navigation App**

SUMAN GHIMIRE, Gunja Sunuwar, Arlint Thoma, Akram Abdul Ghaffar Al-Shahib  
Innovativ kommunikationsteknik og entreprenørskab, Kandidat, (Kandidatuddannelse) 1. semester, 2014  
Studenteropgave: Semesterprojekt

**Browser as Game Engine - Experimental Approach on Investigating Ways to Implement Music Elements into Games which are Programmed with Modern Web Technologies.**

Kristjan Kalmus  
Medialogi, Kandidat, (Kandidatuddannelse) 4. semester, 2014  
Studenteropgave: Speciale

**Can you hear the difference?**

Viktor Plamenov Denkov, Martynas Mockapetris  
IT, Kommunikations- og Medieteknologi, Bachelor, (Bacheloruddannelse) 6. semester, 2014  
Studenteropgave: Bachelorprojekt

**Car recommender system for multiple users**

Xi Wang, Kristian Christos Gianakopoulos, Hua Yu  
Innovativ kommunikationsteknik og entreprenørskab, Kandidat, (Kandidatuddannelse) 3. semester, 2014  
Studenteropgave: Semesterprojekt

**Charisma: Charisma, a Human Resource Management System**

Marius Ciprian Mardare  
IT, Kommunikations- og Medieteknologi, Bachelor, (Bacheloruddannelse) 3. semester, 2014  
Studenteropgave: Semesterprojekt

**'Discover a book' recommendation portal**

Jakub Tovarnansky  
Innovativ kommunikationsteknik og entreprenørskab, Kandidat, (Kandidatuddannelse) 4. semester, 2014  
Studenteropgave: Speciale

**En undersøgelse og analyse af kommunikation mellem koncertsteder og koncertgængere**

Siri Holm  
Kommunikation, Kandidat, (Kandidatuddannelse) 4. semester, 2014  
Studenteropgave: Speciale

**En undersøgelse og analyse af koncertgængeres vurdering af koncertinformation**

Siri Holm  
Kommunikation, Kandidat, (Kandidatuddannelse) 4. semester, 2014  
Studenteropgave: Speciale

**Hurema: Human Resource Management System**

Alina-Gabriela Ciobanu, Raluca Alexandra Fetic, Lys Egholm Andersen, Georgi Georgiev  
IT, Kommunikations- og Medieteknologi, Bachelor, (Bacheloruddannelse) 3. semester, 2014

Studenteropgave: Semesterprojekt

**Iris Recognition Technology in Smartphones**

Arlint Thomas, Marek Holub, Ugne Ragauskaite, Svetoslav Borisov Bakalov, Aglika Plamenova Nikolova  
Innovativ kommunikationsteknik og entreprenørskab, Kandidat, (Kandidatuddannelse) 1. semester, 2014  
Studenteropgave: Semesterprojekt

**SmartOrder: A food ordering system**

Emil Høgsted Lauritsen, Markus Karenkewitsch Sørensen, Dara Sevkan Akdag, Kardo Kamaran Ismail  
IT, Kommunikations- og Medieteknologi, Bachelor, (Bacheloruddannelse) 3. semester, 2014  
Studenteropgave: Semesterprojekt

**Tag-based interaction with things at home**

Florin Timotei Ghiurau, Hua Yu, Kristian Christos Gianakopoulos, Xi Wang  
Innovativ kommunikationsteknik og entreprenørskab, Kandidat, (Kandidatuddannelse) 2. semester, 2014  
Studenteropgave: Semesterprojekt

**Trigger Service**

Hua Yu, Florin Timotei Ghiurau, Kristian Christos Gianakopoulos, Xi Wang  
Innovativ kommunikationsteknik og entreprenørskab, Kandidat, (Kandidatuddannelse) 2. semester, 2014  
Studenteropgave: Semesterprojekt

**2013**

**At Your Service**

Jonas Greve Jørgensen, Harjit Singh Sahota, Anton Mikael Kivimäki, Constantin Cătălin Popescu, Victor Andre Nicolai  
Holmgaard Suenson, Anders Jeppesen  
IT, Kommunikations- og Medieteknologi, Bachelor, (Bacheloruddannelse) 3. semester, 2013  
Studenteropgave: Semesterprojekt

**codeCREED**

Ovidiu-Stefan Otel, Alan Mohedeon, Xuân Huy Ngô, Mateusz Fuczylo, Laurentiu-Florian Coman  
IT, Kommunikations- og Medieteknologi, Bachelor, (Bacheloruddannelse) 3. semester, 2013  
Studenteropgave: Semesterprojekt

**IDEA**

Jakub Tovarnansky, Zuzana Agricolova  
Innovativ kommunikationsteknik og entreprenørskab, Kandidat, (Kandidatuddannelse) 2. semester, 2013  
Studenteropgave: Semesterprojekt

**Kompleksitet i IKT-systemer: Et casestudie af AGENTOR Business Integration**

Anders Kjærby Jacobsen  
Informationsvidenskab, Kandidat, (Kandidatuddannelse) 4. semester, 2013  
Studenteropgave: Speciale

**Mobile Interaction with Interactive Out-of-Home Media – A User Study**

Leeke Christin Bremer  
Innovativ kommunikationsteknik og entreprenørskab, Kandidat, (Kandidatuddannelse) 4. semester, 2013  
Studenteropgave: Speciale

**Multilingual learning interactive application for preschoolers**

Chrysoula Georgiou, Sambeg Thapa  
Innovativ kommunikationsteknik og entreprenørskab, Kandidat, (Kandidatuddannelse) 4. semester, 2013  
Studenteropgave: Speciale

**"Musik er vildere end politik"**

Siri Holm

Kommunikation, Kandidat, (Kandidatuddannelse) 3. semester, 2013

Studenteropgave: Semesterprojekt

**SocialPass: Socially-powered graphical authentication**

Robert Gutke

IT, Kommunikations- og Medieteknologi, Bachelor, (Bacheloruddannelse) 6. semester, 2013

Studenteropgave: Bachelorprojekt

## 2012

**Artificial Intelligent Diagnosis**

Martin Brandt, Allan Møller, Chrysoula Georgiou, Sambeg Thapa

Innovativ kommunikationsteknik og entreprenørskab, Kandidat, (Kandidatuddannelse) 3. semester, 2012

Studenteropgave: Semesterprojekt

**Instant AAU**

Pawel Deregowski

IT, Kommunikations- og Medieteknologi, Bachelor, (Bacheloruddannelse) 3. semester, 2012

Studenteropgave: Semesterprojekt

Ovenstående rapport er lavet ud fra følgende opsætning

Sorteret efter: Udgivelsesår

# Teaching portfolio - Jannick Kirk Sørensen

I have been teaching at universities in Denmark, Sweden and Germany since 2002. I use a problem-based learning methodology that is adapted to specific study plans and course content. Primarily, I have taught and supervised projects that are closely related to praxis, such as design- and engineering courses. Based on Donald Schön's (1983) observations of practitioners' learning as alternating "reflection in action" and "reflection on action" I have aimed to use students' concrete design- and engineering projects as vehicles for academic reflections on generic patterns, tensions, interdependencies and conditions within a broader field of design, society and politics. Besides the praxis-based courses I have also taught more analytical courses such as "The Future of Public Service Media" - a course that dealt with the policy challenges facing public service broadcasting and media politics in the converging media market.

## Problem Based Learning

Problem-based learning (PBL) is for me the most natural approach to learning, since my own learning experiences to a great extent have been based on PBL. I first met PBL in high school 1983 - 1986, as "Det frie Gymnasium" was granted permission to conduct learning experiments with interdisciplinary group-based PBL. Later, when visiting the MA program in Interaction Design at K3, Malmö University, I experienced the fruitful effect of using PBL in combination with the workplace praxis of a design studio. These two learning experiences constitute thus - together with inspiration from more traditional class-based university lectures - the blueprint for my own teaching and supervision.

Since PBL is my default approach to teaching, my personal interests is now to explore the limitations of PBL and search for answers on these challenges: How to use PBL to support students that are not very good in seeing a good productive problem, or that get easily frustrated that "the problem is finding the problem"? How to help weaker students in a group unfolding their talents? How to use PBL in cultural contexts where mutual and direct criticism is not common? Could PBL be refined or modified to facilitate these situations?

## Conceptual Design Games

A particular interest for me is the development and use of conceptual design games for learning situations. The term "design games" stems from research in design processes made by, among

others, N. John Habraken and Mark D Gross at the MIT Architectural Department in the middle of the 1980's. Habraken and Gross (1987) were looking for generic patterns in design processes. They tried for that purpose to model these processes in a simplified way. Their tool became a number of conceptual design games, that simplify and reduce the complexity in real-world design processes (e.g. architecture) to a few central parameters. By experimenting with different settings the rules of the game and with the game pieces used for the board games they developed, they created an abstract representation of the communication going on in design- and engineering processes. This is particularly the case for the variety they named "silent game". Here two players are via turn-taking mutually constructing "something" without exchanging any words either about what to be constructed or how it should be constructed. Their silent design process is observed by third participant. When one of the players announces that the construction is finished or when the process has come to a stop, the observer reports his or her observations. It should be noted that there is no winning condition in design games as well as there is no high score or points counted. The term "game" refers rather to the playfulness and disconnection with real life, than to competition.

I have by several occasions used Silent Game in my teaching to provide students with a simplified mental model for the complexity of real world design- and engineering processes. I have also used Silent Game as an illustration of activity theory applied on ICT development, cf.: (Engeström, 2006; Kapteinin, Nardi & Macaulay, 1999). I have also, in collaboration with visual artist Villads Keiding developed a design game "Visionpool" that has proved to be useful as picture stimulation in early stages of conceptual design work. The design game works as a rule-based visual brainstorm.

My teaching experiences with these design games have shown potential for the development of new design games and refinement of the existing to help students arrive at the reflective level in PBL, particularly when PBL is combined with a design- or engineering project. The design games offer potentially a mental model for students that can be used by them to analyze and condense the complexities of their real world design problems and PBL challenges. The design games could thus potentially help students structuring their PBL process by offering a reduction of complexity through abstract representation. At the same time, the design games - particularly the silent game - shed light on students' ability to understand each other; it focusses the attention on the communication taking place - or not taking place - between students in a group, however in manner that is - or at least seem to be - detached from real-world problems. The design games could thus with the play- and game researcher Johan Huizinga (1955) be described as playful games in the sense that they take place outside ordinary life and has no effect on ordinary life. The participants are more free to experiment than in real life such as in a semester project.

## Participation in development of Study Programmes and Curricula

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I do participate in development and planning of curricula and teaching both in relation to the MSc. "Innovative Communication Technologies and Entrepreneurship" (ICTE) and the BSc. "IT, Communication and New Media" (ITCOM) at Aalborg University, Copenhagen, with a particular focus on developing the MSc. courses in Interaction Design and the Problem-based learning methodology.

## University Pedagogy Certificate

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From 2010 - 2012 I participated in the "Adjunktpædagogikum" course offered by AAU learning lab (University Pedagogy for Assistant Professors). In this context my supervisors Lene Sørensen and Lise Koefoed have evaluated my teaching in Interaction Design, spring 2011. Evaluators found my use of "Silent Game" and "Visionpool" very interesting, and had no additional remarks on my teaching. Diploma is attached.

Below a list of my teaching and supervision activities since 1996, (after 2011, see also list of supervised projects).

## Teaching and supervision: 1996 - 2017

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### 1996 - 2000:

Supervision of colleagues at Danish Broadcasting Corporation, Radio Feature Department as editor of a feature radio program.

Spring and Autumn 1997: Teaching radio production and interviewing at "Rampen" a folk school (daghøjskole) targeting unemployed persons. Individual and group supervision. 30 students

### 2002-2003:

Autumn 2002: "RadioArt: narratives of voices and sounds", Radio feature workshop, BA & MA, Medie och Kommunikationsvetenskap, K3, Malmö Högskola, Malmö, Sweden. [Media- and Communication Studies, Malmo University]. 15 participants. Language: Danish / Swedish

Autumn 2003: "Applied Theory and Method for Interactive Systems 5 & 6": ICT production and interaction design, MA in ICT, University of Southern Denmark (SDU) Odense, Denmark. 7 participants. Language: Danish

Autumn 2003: "RadioArt: narratives of voices and sounds", Radio feature workshop, BA & MA, Medie och Kommunikationsvetenskap, K3, Malmö Högskola [Media- and Communication Studies, Malmoe University]. 15 participants. Language: Danish / Swedish

2004 - 2006:

Spring 2004: "Multimedia production and –design", ICT production, interaction design and programing (Action Script), BA, Media Studies, SDU. Teaching and group supervision. 20 students. Language: Danish

Spring 2004 - Spring 2006: Dramaturge and Production Consultant on feature films at the EU-Interreg educational project "Filmtrain": SDU / Fachhochschule Kiel / Universität Kiel / Filmförderung Schleswig-Holstein. Individual supervision of documentary film production.

Autumn 2004: "AV media production and –design", BA, Media Studies, SDU. Teaching and group supervision. 30 students. Language: Danish

Spring 2005: "Multimedia production and –design", BA, Media Studies, SDU. Teaching and group supervision. 50 students. Language: Danish

Spring 2005: "Filmtrain – Workshop 7: Interactive Narrative Film", at the EU-Interreg educational project "Filmtrain": SDU / Fachhochschule Kiel / Universität Kiel / Filmförderung Schleswig-Holstein. 12 students. Language: English

Autumn 2005: "Cybersemiotik", Interface semiotics, MA in "Innovation, Cognition and Cultural Meaning" (IKK), Literature Studies, SDU. 11 students. Teaching and individual supervision. Language: English

Autumn 2005: "Team-building, Project management, Innovation I" Methodologies for Innovation, MA in "Innovation, Cognition and Cultural Meaning" (IKK), Literature Studies, SDU. 11 students. Teaching and individual + group supervision. Language: English

Spring 2006: "Multimedia production and –design", ICT production, interaction design and programing (Action Script), BA, Media Studies, SDU. 120 students. Group supervision. Language: Danish

Autumn 2006: Guest teacher at Technical University, Denmark in "Facilitation of collective design processes with the Vision pool tool" <http://www.visionpool.dk/wizi/> (in Danish)

2008-2009:

Spring 2008: "The Future of Public Service Media", media policy and media technology, BA and MA, Europäische Medienwissenschaft, Universität Potsdam, and Interface Design, Fachhochschule Potsdam, Germany. 12 students. Individual supervision. Language: German / English

Autumn 2008: "The Future of Public Service Media", media policy and media technology, BA, Media Science, SDU. 35 students. Individual supervision. Language: Danish

2010

Autumn 2010: Courses "Content and Media Management" and supervision of semester projects "Services and Platforms" at the MSc. program ICTE, AAU. Project supervision. Language: English & Danish

2011

Spring 2011: Courses "Requirements Specifications" at the BSc. program "ITCOM" and "Interaction Design" at the MSc. program ICTE, AAU. Project supervision. Language: English & Danish

Summer 2011: "Interaction Design" at the Master program mICT, Accra, Ghana. Teaching and individual supervision. Supervision for two second trimester group projects at the mICT program, Ghana. Language: English & Danish

Autumn 2011: "Content and Media Management" at the MSc. program ICTE, AAU. Supervision of the semester project "Services and Platforms" at the MSc. program ICTE, AAU. Project supervision. Language: English & Danish

2012

Spring 2012: Courses "Interaction Design" and "Project-oriented Problem Based Learning" at the MSc. program ICTE, AAU. Project supervision. Language: English & Danish

Autumn 2012: Courses: "Content and Media Management" and "Project-oriented Problem Based Learning" at the MSc. program ICTE at AAU. Project supervision. Language: English & Danish

2013

Spring 2013: Courses "Interaction Design" and "Project-oriented Problem Based Learning" at the MSc. program ICTE, AAU. Project supervision. Language: English & Danish

Autumn 2013: Courses: "Content and Media Management" and "Project-oriented Problem Based Learning" at the MSc. program ICTE at AAU. Project supervision. Language: English & Danish

#### 2014

Spring 2014: Course: "Interaction Design" at the MSc. program ICTE, AAU. Project supervision. Language: English & Danish

Autumn 2014: Courses: "Content and Media Management" and "Project-oriented Problem Based Learning" at the MSc. program ICTE at AAU. "Project-oriented Problem Based Learning" at the continuing education program MICT. Project supervision. Language: English & Danish

#### 2015

Spring 2015: Course: "Interaction Design" at the MSc. program ICTE, AAU. Project supervision. Language: English & Danish

Autumn 2015: Courses: "Content and Media Management" and "Project-oriented Problem Based Learning" at the MSc. program ICTE at AAU. Guest teacher at MICT (Interaction Design) Project supervision. Language: English & Danish.

#### 2016

Spring 2016: Course: "Interaction Design" at the MSc. program ICTE, AAU. Project supervision. Language: English & Danish

Autumn 2016: Courses: "Content and Media Management" and "Project-oriented Problem Based Learning" at the MSc. program ICTE at AAU. Guest teacher PBL 1st year ITCOM, MOE, Bios. Project supervision. Language: English & Danish

#### 2017

Spring 2017: Course: "Interaction Design" at the MSc. program ICTE, AAU. Project supervision. Language: English & Danish

#### Teaching Material

Besides technical tutorials and case-stories for student assignments, I have edited a video documentation as teaching material for design theory. It summarizes a seminar held in the memory of Donald Schön at Malmö University:

Ehn P., Löwgren J., Sørensen, J. K. (2003) "Som en fågel i Skogen" - documentation of a retrospective conference on Donald A. Schön's work and thoughts about reflecting practitioners. Published by Malmö University.

As above mentioned, I have developed two types of idea-generation / idea-negotiation / group-formation tools: Silent Game (Sørensen, 2016) and Visionpool (Sørensen, 2005) that are helpful in the early phases of idea development of ICT-services and in other creative processes. The tools are used in my facilitation of project group formation at AAU BSc. and MSc. study programmes.

## References

- Ehn P., Löwgren J., Sørensen, J. K. (2003) "Som en fågel i Skogen" - documentation of a retrospective conference on Donald A. Schön's work and thoughts about reflecting practitioners. Published by Malmö University.
- Engeström, Yrje (2006). Activity Theory and Expansive Design. In Sebastiano Bagnara & Gillian Crampton Smith (Eds.), *Theories and Practice in Interaction Design* (pp. 3-23). Ivrea, Italy and Mahwah, New Jersey: Interaction Design Institute Ivrea and Lawrence Erlbaum Associates, Publishers.
- Kaptelinin, Victor, Nardi, Bonnie A., & Macaulay, Catriona (1999). Methods & tools: The activity checklist: a tool for representing the "space" of context. *interactions*, 6(4), 27-39.
- Habraken, N. John & Gross, Mark D. (1987). *Concept Design Games. A report submitted to the National Science Foundation Engineering Directorate, Design Methodology Program, June, 1987 Book one: Developing*: Department of Architecture, Massachusetts Institute of Technology, Cambridge, Massachusetts.
- Huizinga, Johan (1955). *Homo ludens : a study of the play-element in culture*. Boston: Beacon Press.
- Schön, Donald A (1983). *The Reflective Practitioner*: Basic Books
- Sørensen, J. K. (2005). The development of a visual design tool: VisionPool. In *Proceedings of The First Nordic Design Research Conference*, May 29 – 31 2005, Copenhagen Denmark. Copenhagen. Retrieved from <http://www.tii.se/reform/inthemaking/files/p13.pdf>
- Sørensen, J. K. (2016). Silent game as Model for Examining Student Online Creativity - Preliminary Results from an Experiment. In *Think CROSS - Change MEDIA 2016*. Magdeburg. <http://doi.org/10.13140/RG.2.1.1354.7287/1>

En rapport lavet i Pure. Udarbejdet af: Jannick Kirk Sørensen (js@cmi.aau.dk), 14/01/2017 12:14

## Studenteropgaver

Liste af Studenteropgaver

### 2016

#### "Academia" – an Application for Academic Language Improvement

Forfattere: Raluca Alexandra Fetic (rfetic13@student.aau.dk)

Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk

Uddannelse: 6. semester, IT, Kommunikations- og Medieteknologi, Bachelor (Bacheloruddannelse)

Udgivelsesdato: 2016

Antal sider: 59

Fortrolig: Fortrolig

Sprog: Engelsk

Dokumenter:

[\\_Academia\\_\\_\\_\\_an\\_Application\\_for\\_Academic\\_Language\\_Improvement](#)

Studenteropgave: Bachelorprojekt

#### A Location Based Recommender System in Physical Shopping Environment

Forfattere: Hossain Ahmad (hahmad15@student.aau.dk), Seynabou Ndiaye (sndiay11@student.aau.dk)

Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk

Uddannelse: 3. semester, Innovativ kommunikationsteknik og entreprenørskab, Kandidat (Kandidatuddannelse)

Udgivelsesdato: 21 dec. 2016

Antal sider: 60

Fortrolig: Ikke-fortrolig

Sprog: Engelsk

Studenteropgave: Masterprojekt

#### A news recommender story: An attempt to build a news recommender system

Forfattere: Constantin Cătălin Popescu (cpopes12@student.aau.dk), Harjit Singh Sahota (hsahot12@student.aau.dk),

Magnus Andreas Nebel Sohn (msohn12@student.aau.dk)

Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk

Uddannelse: 3. semester, Innovativ kommunikationsteknik og entreprenørskab, Kandidat (Kandidatuddannelse)

Udgivelsesdato: 20 dec. 2016

Antal sider: 61

Fortrolig: Ikke-fortrolig

Sprog: Engelsk

Studenteropgave: Masterprojekt

#### EatUp

Forfattere: Stefan Petersen (spete15@student.aau.dk), Sebastian Vissing Clausen (svcl15@student.aau.dk), Mark

Lindstrøm Pedersen Junge (mjunge15@student.aau.dk), Aleksander Oliver Frese (afrese15@student.aau.dk)

Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk

Uddannelse: 3. semester, IT, Kommunikations- og Medieteknologi, Bachelor (Bacheloruddannelse)

Udgivelsesdato: 21 dec. 2016

Antal sider: 107

Fortrolig: Ikke-fortrolig

Sprog: Engelsk

Studenteropgave: Semesterprojekt

#### ITCOM3 Group 2 - BeFriendly: BeFriendly

Forfattere: Hristo Borisov Bakalov (hbakal15@student.aau.dk), Krisztián Rudolf Babos (kbabos15@student.aau.dk),

Frederik Julius Eriksen (feriks15@student.aau.dk), Sebastian Sbirna (ssbirn15@student.aau.dk)

Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk, Daniel Enrique Lucani Roetterdel@es.aau.dk, Rasmus Løvenstein Olsenro@es.aau.dk

Uddannelse: 3. semester, IT, Kommunikations- og Medieteknologi, Bachelor (Bacheloruddannelse)

Udgivelsesdato: 21 dec. 2016

Antal sider: 96

Fortrolig: Ikke-fortrolig  
Sprog: Engelsk  
ITCOM, BeFriendly, 3rd semester  
Studenteropgave: Semesterprojekt

**P2Lock - Sharing done right**

Forfattere: Michal Ozaniak (mozani15@student.aau.dk), Yoav Schwartz (yschwa15@student.aau.dk), Daniel Frank Balchasan (dbalch15@student.aau.dk), Nicolai Strøm Steffensen (nsst15@student.aau.dk), Alexandra-Flavia Brumar (abruma15@student.aau.dk), Dmitrijs Bambulaks (dbambu15@student.aau.dk)

Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk

Uddannelse: 2. semester, IT, Kommunikations- og Medieteknologi, Bachelor (Bacheloruddannelse)

Udgivelsesdato: 23 maj 2016

Fortrolig: Ikke-fortrolig

Sprog: Engelsk

Dokumenter:

P2Lock\_Final

Studenteropgave: Semesterprojekt

**PhoToDo - development of a task sharing application**

Forfattere: Khizar Mukhtiar (kmukht15@student.aau.dk), Ahmad Bassam Hanifah (ahanif15@student.aau.dk), Filip Adamik (fadami15@student.aau.dk), Ján Spak (jspak15@student.aau.dk), Vu Ngoc Viet Nguyen (vnguye15@student.aau.dk)

Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk

Uddannelse: 2. semester, IT, Kommunikations- og Medieteknologi, Bachelor (Bacheloruddannelse)

Udgivelsesdato: 24 maj 2016

Antal sider: 99

Fortrolig: Ikke-fortrolig

Sprog: Engelsk

Dokumenter:

report\_alltogether

Studenteropgave: Bachelorprojekt

**Remote control app**

Forfattere: Georgi Georgiev (ggeorg13@student.aau.dk)

Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk

Uddannelse: 6. semester, IT, Kommunikations- og Medieteknologi, Bachelor (Bacheloruddannelse)

Udgivelsesdato: 26 maj 2016

Antal sider: 47

Fortrolig: Ikke-fortrolig

Sprog: Engelsk

Dokumenter:

Bachelor

Studenteropgave: Bachelorprojekt

**RentMate**

Forfattere: Ignas Bagdonas (ibagdo15@student.aau.dk), Matas Navickas (mnavic15@student.aau.dk), Pavel Zablockij (pzabloc15@student.aau.dk), Edgar Pavliukovic (epavli15@student.aau.dk), Michal Demcak (mdemca15@student.aau.dk), Michal Kristofik (michkr15@student.aau.dk)

Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk

Uddannelse: 2. semester, IT, Kommunikations- og Medieteknologi, Bachelor (Bacheloruddannelse)

Udgivelsesdato: 24 maj 2016

Antal sider: 94

Fortrolig: Ikke-fortrolig

Sprog: Engelsk

Dokumenter:

RentMate\_group\_7\_P2

Studenteropgave: Semesterprojekt

**Semester project P3 Group 9, Alexander Kappel, Christian Holm, Kivan Nami Saber: 3. Semester project AAU CPH**

Forfattere: Kivan Nami Saber (knamis15@student.aau.dk), Christian Bredmose Holm (cholm15@student.aau.dk), Alexander Hansen Kappel (akappe15@student.aau.dk)

Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk  
Uddannelse: 3. semester, IT, Kommunikations- og Medieteknologi, Bachelor (Bacheloruddannelse)  
Udgivelsesdato: 21 dec. 2016  
Antal sider: 116  
Fortrolig: Ikke-fortrolig  
Sprog: Engelsk  
Vejr station, Arduino, Hjemmside  
Studenteropgave: Semesterprojekt

**The Relation between User experience, Privacy and Information Overload in e-boks.dk: What is user's perception of the value proposition of e-boks.dk?**  
Forfattere: Aglika Plamenova Nikolova (anikol14@student.aau.dk)  
Kontaktinfo: nikolovaaglika@gmail.com  
Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk  
Uddannelse: 4. semester, Innovativ kommunikationsteknik og entreprenørskab, Kandidat (Kandidatuddannelse)  
Udgivelsesdato: 9 sep. 2016  
Antal sider: 91  
Fortrolig: Ikke-fortrolig  
Sprog: Engelsk  
Dokumenter:  
E-boks.dk master thesis - Aglika Nikolova 4.1  
Studenteropgave: Speciale

**The Relation between User experience, Privacy and Information Overload in e-boks.dk**  
Forfattere: Aglika Plamenova Nikolova (anikol14@student.aau.dk)  
Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk  
Uddannelse: 4. semester, Innovativ kommunikationsteknik og entreprenørskab, Kandidat (Kandidatuddannelse)  
Udgivelsesdato: 9 sep. 2016  
Antal sider: 91  
Fortrolig: Ikke-fortrolig  
Sprog: Engelsk  
Dokumenter:  
E\_boks.dk\_master\_thesis\_\_Aglika\_Nikolova\_4.1  
Studenteropgave: Speciale

**Vendor , Vending Machines System**  
Forfattere: Paul Cseidi (pcseid14@student.aau.dk), Michail Gratsias (mgrats15@student.aau.dk), Khizar Mukhtiar (kmukht15@student.aau.dk), Ahmad Bassam Hanifah (ahanif15@student.aau.dk)  
Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk  
Uddannelse: 3. semester, IT, Kommunikations- og Medieteknologi, Bachelor (Bacheloruddannelse)  
Udgivelsesdato: 20 dec. 2016  
Antal sider: 98  
Fortrolig: Ikke-fortrolig  
Sprog: Engelsk  
Studenteropgave: Semesterprojekt

**Weather based music recommendation**  
Forfattere: Mario Xavier Coloma Ruiz (mcolom12@student.aau.dk), Alan Mohedeen (amohed12@student.aau.dk)  
Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk  
Uddannelse: 3. semester, Innovativ kommunikationsteknik og entreprenørskab, Kandidat (Kandidatuddannelse)  
Udgivelsesdato: 2016  
Antal sider: 51  
Fortrolig: Fortrolig  
Sprog: Engelsk  
Studenteropgave: Masterprojekt

## 2015

**A user Study about the determinate phonebook**  
Forfattere: Xi Wang (xwang10@student.aau.dk)  
Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk

Uddannelse: 4. semester, Innovativ kommunikationsteknik og entreprenørskab, Kandidat (Kandidatuddannelse)

Udgivelsesdato: 10 aug. 2015

Antal sider: 106

Fortrolig: Fortrolig

Sprog: Engelsk

Studenteropgave: Speciale

#### **Book-lit, e-library**

Forfattere: Edgars Raudive (eraudi13@student.aau.dk), Vitalijs Cehs (vchehs14@student.aau.dk), Gabriel Louis Bruno Danielsen (gdanie14@student.aau.dk), Nilas Thomsen (nthon14@student.aau.dk)

Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk, Daniel Enrique Lucani Roetterdel@es.aau.dk, Rasmus Løvenstein Olsenlo@es.aau.dk

Uddannelse: 3. semester, IT, Kommunikations- og Medieteknologi, Bachelor (Bacheloruddannelse)

Udgivelsesdato: 15 dec. 2015

Antal sider: 79

Fortrolig: Ikke-fortrolig

Sprog: Engelsk

Dokumenter:

P3-Report-Book-Lit-v2

Studenteropgave: Semesterprojekt

#### **Data offloading in the context of a public municipal Wi-Fi network: Case:Copenhagen**

Forfattere: Andrei Bogdan Varga (avarga13@student.aau.dk), Kasper Richard Møller (krma13@student.aau.dk), Lucian Tirca (ltirca13@student.aau.dk), Cristian Alexandru Onu (conu13@student.aau.dk)

Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk

Uddannelse: 4. semester, IT, Kommunikations- og Medieteknologi, Bachelor (Bacheloruddannelse)

Udgivelsesdato: 28 maj 2015

Antal sider: 81

Fortrolig: Ikke-fortrolig

Sprog: Engelsk

Dokumenter:

P4 semester project

Studenteropgave: Semesterprojekt

#### **Information Systems Development - A research study in information request process at MAN Diesel & Turbo Corporation**

Forfattere: Wilmer Entena (wentena13@student.aau.dk)

Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk

Uddannelse: 4. semester, Innovativ kommunikationsteknik og entreprenørskab, Kandidat (Kandidatuddannelse)

Udgivelsesdato: 10 jun. 2015

Antal sider: 60

Fortrolig: Fortrolig

Sprog: Engelsk

Studenteropgave: Speciale

#### **Levetiden for smartwatch batterier**

Forfattere: Harjit Singh Sahota (hsahot12@student.aau.dk)

Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk, Morten Falchfalch@cmi.aau.dk

Uddannelse: 6. semester, IT, Kommunikations- og Medieteknologi, Bachelor (Bacheloruddannelse)

Udgivelsesdato: 28 maj 2015

Antal sider: 84

Fortrolig: Ikke-fortrolig

Sprog: Engelsk

Smartwatch, Battery, Wearable, Android Wear, Android

Dokumenter:

Bachelor Project ITCOM 6 - The life of smartwatch batteries

page 0 - project ITCOM Bachelor

Studenteropgave: Bachelorprojekt

#### **Meet'n'Eat**

Forfattere: Laurentiu Narcis Zait (lzait14@student.aau.dk), Alexis Emmanuel Labrosse (alabro13@student.aau.dk),

Andreas Havmøller Johnsen (ajohns14@student.aau.dk), Mantas Cibulskis (mcibul14@student.aau.dk), Sára Janácková (sjanac14@student.aau.dk)

Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk  
Uddannelse: 3. semester, IT, Kommunikations- og Medieteknologi, Bachelor (Bacheloruddannelse)  
Udgivelsesdato: 15 dec. 2015  
Antal sider: 91  
Fortrolig: Ikke-fortrolig  
Sprog: Engelsk  
Dokumenter:  
Final P3 report - Meet'n'Eat  
Studenteropgave: Semesterprojekt

#### **Mobile Data Connectivity at Crowded Events**

Forfattere: Aron Jozsef Marossy (amaros13@student.aau.dk), Ahsan Javaid (ajavai14@student.aau.dk), Gibeom Kim (gkim15@student.aau.dk), Hangyeol Kim (hkim15@student.aau.dk), Marius Ciprian Mardare (mmarda11@student.aau.dk), Raluca Alexandra Fetic (rfetic13@student.aau.dk), Sesang Kim (skim15@student.aau.dk)  
Kontaktno: Aron Jozsef Marossy  
Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk  
Uddannelse: 4. semester, IT, Kommunikations- og Medieteknologi, Bachelor (Bacheloruddannelse)  
Udgivelsesdato: 27 maj 2015  
Antal sider: 99  
Fortrolig: Ikke-fortrolig  
Sprog: Engelsk  
Dokumenter:  
ITCOM4\_Group7\_MobileDataConnectivityAtCrowdedEvents  
Studenteropgave: Semesterprojekt

#### **Navitas**

Forfattere: Alan Jamal Hasan (ahasan12@student.aau.dk), Christine Ingerslev (cinger14@student.aau.dk), Christoffer Dyssegard (cdysse14@student.aau.dk), Jaromír Kuchynka (jkuchy14@student.aau.dk), Tobias Udbjørg Marcussen (tmarcu14@student.aau.dk)  
Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk  
Uddannelse: 3. semester, IT, Kommunikations- og Medieteknologi, Bachelor (Bacheloruddannelse)  
Udgivelsesdato: 15 dec. 2015  
Antal sider: 100  
Fortrolig: Ikke-fortrolig  
Sprog: Engelsk  
Dokumenter:  
P3NavitasGroup2docFinalOnline  
Studenteropgave: Semesterprojekt

#### **p3 group 5**

Forfattere: Marius Ukrinas (mukrin14@student.aau.dk), Jógván á Steig (jastei14@student.aau.dk), Sammi Stokkebro Andersen (san14@student.aau.dk), Tommy Sielemann Sørensen (tssa14@student.aau.dk)  
Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk  
Uddannelse: 3. semester, IT, Kommunikations- og Medieteknologi, Bachelor (Bacheloruddannelse)  
Udgivelsesdato: 16 dec. 2015  
Antal sider: 73  
Fortrolig: Ikke-fortrolig  
Sprog: Engelsk  
p3 group 5  
Dokumenter:  
kvittering  
p3 group 5  
Studenteropgave: Semesterprojekt

#### **SmartBike: Navigate Smarter**

Forfattere: Arnab Podder (apodde14@student.aau.dk), Jonas Degn Andreasen (jandre14@student.aau.dk), Watsamon Louise Laungsaaard Christensen (wchris14@student.aau.dk), Saffet Ismet Tosun (stosun14@student.aau.dk), Mikkel Krøngaard Eskildsen (meskil14@student.aau.dk)  
Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk, Daniel Enrique Lucani Roetterdel@es.aau.dk  
Uddannelse: 3. semester, IT, Kommunikations- og Medieteknologi, Bachelor (Bacheloruddannelse)  
Udgivelsesdato: 16 dec. 2015  
Antal sider: 77

Fortrolig: Ikke-fortrolig  
Sprog: Engelsk  
Dokumenter:  
**SmartBike**  
Studenteropgave: Semesterprojekt

**Sportify Application**  
Forfattere: Nicolaj Højgaard Lilja (nlilja14@student.aau.dk), Michael Stobbe Meincke (mmeinc14@student.aau.dk), Oskars Matiss (omatis14@student.aau.dk), Jakob Emil Römer-Bruhn (jramer14@student.aau.dk), Ida Hee Søemod (isaemo14@student.aau.dk)  
Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk  
Uddannelse: 3. semester, IT, Kommunikations- og Medieteknologi, Bachelor (Bacheloruddannelse)  
Udgivelsesdato: 2015  
Antal sider: 90  
Fortrolig: Ikke-fortrolig  
Sprog: Engelsk  
Dokumenter:  
**Sportify**  
Studenteropgave: Semesterprojekt

## 2014

**A Redesign of CPH Airport Indoor Navigation App**  
Forfattere: SUMAN GHIMIRE (sghimi14@student.aau.dk), Gunja Sunuwar (gsunuw14@student.aau.dk), Arlint Thoma (athoma14@student.aau.dk), Akram Abdul Ghaffar Al-Shahib (aalsha13@student.aau.dk)  
Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk  
Uddannelse: 1. semester, Innovativ kommunikationsteknik og entreprenørskab, Kandidat (Kandidatuddannelse)  
Udgivelsesdato: 28 maj 2014  
Antal sider: 72  
Fortrolig: Fortrolig  
Sprog: Engelsk  
Studenteropgave: Semesterprojekt

**Browser as Game Engine - Experimental Approach on Investigating Ways to Implement Music Elements into Games which are Programmed with Modern Web Technologies.**  
Forfattere: Kristjan Kalmus (kkalmu11@student.aau.dk)  
Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk, Stefania Serafinsts@media.aau.dk  
Uddannelse: 4. semester, Medialogi, Kandidat (Kandidatuddannelse)  
Udgivelsesdato: 26 maj 2014  
Antal sider: 89  
Fortrolig: Ikke-fortrolig  
Sprog: Engelsk  
Dokumenter:  
Master's thesis KristjanKalmus StudyNo.20112090  
Studenteropgave: Speciale

**Can you hear the difference?**  
Forfattere: Viktor Plamenov Denkov (vdenko11@student.aau.dk), Martynas Mockapetris (mmocka11@student.aau.dk)  
Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk, Knud Erik Skoubyskouby@cmi.aau.dk  
Uddannelse: 6. semester, IT, Kommunikations- og Medieteknologi, Bachelor (Bacheloruddannelse)  
Udgivelsesdato: 27 maj 2014  
Fortrolig: Fortrolig  
Sprog: Engelsk  
Studenteropgave: Bachelorprojekt

**Car recommender system for multiple users**  
Forfattere: Xi Wang (xwang10@student.aau.dk), Kristian Christos Gianakopoulos (kgiann12@student.aau.dk), Hua Yu (hy13@student.aau.dk)  
Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk, Per Lynggaardperlyn@es.aau.dk  
Uddannelse: 3. semester, Innovativ kommunikationsteknik og entreprenørskab, Kandidat (Kandidatuddannelse)  
Udgivelsesdato: 18 dec. 2014

Fortrolig: Fortrolig  
Sprog: Engelsk  
Studenteropgave: Semesterprojekt

**Charisma: Charisma, a Human Resource Management System**

Forfattere: Marius Ciprian Mardare (mmarda11@student.aau.dk)

Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk

Uddannelses: 3. semester, IT, Kommunikations- og Medieteknologi, Bachelor (Bacheloruddannelse)

Udgivesdato: 21 dec. 2014

Antal sider: 28

Fortrolig: Ikke-fortrolig

Sprog: Engelsk

Dokumenter:

Charisma

Studenteropgave: Semesterprojekt

**'Discover a book' recommendation portal**

Forfattere: Jakub Tovarnansky (jtovar12@student.aau.dk)

Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk

Uddannelses: 4. semester, Innovativ kommunikationsteknik og entrepreneurskab, Kandidat (Kandidatuddannelse)

Udgivesdato: 3 jun. 2014

Antal sider: 97

Fortrolig: Ikke-fortrolig

Sprog: Engelsk

Dokumenter:

'Discover a book' recommendation portal - final document

Studenteropgave: Speciale

**En undersøgelse og analyse af kommunikation mellem koncertsteder og koncertgængere**

Forfattere: Siri Holm (shol12@student.aau.dk)

Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk

Uddannelses: 4. semester, Kommunikation, Kandidat (Kandidatuddannelse)

Udgivesdato: 2 jun. 2014

Antal sider: 71

Fortrolig: Fortrolig

Sprog: Dansk

Studenteropgave: Speciale

**En undersøgelse og analyse af koncertgængeres vurdering af koncertinformation**

Forfattere: Siri Holm (shol12@student.aau.dk)

Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk, Mikkel Fugl Eskjær

Uddannelses: 4. semester, Kommunikation, Kandidat (Kandidatuddannelse)

Udgivesdato: 16 okt. 2014

Antal sider: 78

Fortrolig: Fortrolig

Sprog: Dansk

Studenteropgave: Speciale

**Hurema: Human Resource Management System**

Forfattere: Alina-Gabriela Ciobanu (asinge13@student.aau.dk), Raluca Alexandra Fetic (rfetic13@student.aau.dk), Lys Egholm Andersen (lyande13@student.aau.dk), Georgi Georgiev (ggeorg13@student.aau.dk)

Kontaktno: Lys Egholm

Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk

Uddannelses: 3. semester, IT, Kommunikations- og Medieteknologi, Bachelor (Bacheloruddannelse)

Udgivesdato: 18 dec. 2014

Antal sider: 99

Fortrolig: Fortrolig

Sprog: Engelsk

Studenteropgave: Semesterprojekt

### Iris Recognition Technology in Smartphones

Forfattere: Arlind Thomas (athoma14@student.aau.dk), Marek Holub (mholub14@student.aau.dk), Ugne Ragauskaitė (uragau11@student.aau.dk), Svetoslav Borisov Bakalov (sbakal13@student.aau.dk), Aglika Plamenova Nikolova (anikol14@student.aau.dk)

Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk, Per Lynggaardperlyn@es.aau.dk

Uddannelse: 1. semester, Innovativ kommunikationsteknik og entreprenørskab, Kandidat (Kandidatuddannelse)

Udgivelsesdato: 18 dec. 2014

Fortrolig: Ikke-fortrolig

Sprog: Engelsk

Dokumenter:

Iris Recognition in Smartphones

Studenteropgave: Semesterprojekt

### SmartOrder: A food ordering system

Forfattere: Emil Høgsted Lauritsen (ehla13@student.aau.dk), Markus Karenkewitsch Sørensen (msa13@student.aau.dk), Dara Sevkan Akdag (dakdag13@student.aau.dk), Kardo Kamaran Ismail (kismai13@student.aau.dk)

Kontaktinfo: Christian Baun cbau13@student.aau.dk

Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk

Uddannelse: 3. semester, IT, Kommunikations- og Medieteknologi, Bachelor (Bacheloruddannelse)

Udgivelsesdato: 18 dec. 2014

Antal sider: 119

Fortrolig: Fortrolig

Sprog: Engelsk

Studenteropgave: Semesterprojekt

### Tag-based interaction with things at home

Forfattere: Florin Timotei Ghiurau (fghiur10@student.aau.dk), Hua Yu (hy13@student.aau.dk), Kristian Christos Gianakopoulos (kgianni12@student.aau.dk), Xi Wang (xwang10@student.aau.dk)

Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk

Uddannelse: 2. semester, Innovativ kommunikationsteknik og entreprenørskab, Kandidat (Kandidatuddannelse)

Udgivelsesdato: 27 maj 2014

Antal sider: 124

Fortrolig: Fortrolig

Sprog: Engelsk

Studenteropgave: Semesterprojekt

### Trigger Service

Forfattere: Hua Yu (hy13@student.aau.dk), Florin Timotei Ghiurau (fghiur10@student.aau.dk), Kristian Christos Gianakopoulos (kgianni12@student.aau.dk), Xi Wang (xwang10@student.aau.dk)

Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk

Uddannelse: 2. semester, Innovativ kommunikationsteknik og entreprenørskab, Kandidat (Kandidatuddannelse)

Udgivelsesdato: 15 mar. 2014

Fortrolig: Fortrolig

Sprog: Engelsk

Studenteropgave: Semesterprojekt

## 2013

### At Your Service

Forfattere: Jonas Greve Jørgensen (jgja12@student.aau.dk), Harjit Singh Sahota (hsahot12@student.aau.dk), Anton Mikael Kivimäki (akivim12@student.aau.dk), Constantin Cătălin Popescu (cpopes12@student.aau.dk), Victor Andre Nicolai Holmgaard Suenson (vsuens12@student.aau.dk), Anders Jeppesen (ajep12@student.aau.dk)

Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk

Uddannelse: 3. semester, IT, Kommunikations- og Medieteknologi, Bachelor (Bacheloruddannelse)

Udgivelsesdato: 18 dec. 2013

Antal sider: 88

Fortrolig: Fortrolig

Sprog: Engelsk

Studenteropgave: Semesterprojekt

#### **codeCREED**

Forfattere: Ovidiu-Stefan Otel (otel12@student.aau.dk), Alan Mohedeen (amohed12@student.aau.dk), Xuân Huy Ngô (xngo12@student.aau.dk), Mateusz Fuczylo (mfuczy12@student.aau.dk), Laurentiu-Florian Coman (lcoman12@student.aau.dk)  
Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk  
Uddannelse: 3. semester, IT, Kommunikations- og Medieteknologi, Bachelor (Bacheloruddannelse)  
Udgivesesdato: 18 dec. 2013  
Antal sider: 102  
Fortrolig: Ikke-fortrolig  
Sprog: Engelsk  
Dokumenter:  
[finalReport \(1\)](#)  
Studenteropgave: Semesterprojekt

#### **IDEA**

Forfattere: Jakub Tovarnansky (jtovar12@student.aau.dk), Zuzana Agricolova (zagric13@student.aau.dk)  
Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk, Niels Koefoednielsk@cmi.aau.dk  
Uddannelse: 2. semester, Innovativ kommunikationsteknik og entreprenørskab, Kandidat (Kandidatuddannelse)  
Udgivesesdato: 28 maj 2013  
Antal sider: 51  
Fortrolig: Ikke-fortrolig  
Sprog: Engelsk  
Dokumenter:  
[IDEA](#)  
Studenteropgave: Semesterprojekt

#### **Kompleksitet i IKT-systemer: Et casestudie af AGETOR Business Integration**

Forfattere: Anders Kjærby Jacobsen (akja08@student.aau.dk)  
Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk  
Uddannelse: 4. semester, Informationsvidenskab, Kandidat (Kandidatuddannelse)  
Udgivesesdato: 10 jun. 2013  
Antal sider: 59  
Fortrolig: Fortrolig  
Sprog: Dansk  
Studenteropgave: Speciale

#### **Mobile Interaction with Interactive Out-of-Home Media – A User Study**

Forfattere: Leeke Christin Bremer (lbreme11@student.aau.dk)  
Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk  
Uddannelse: 4. semester, Innovativ kommunikationsteknik og entreprenørskab, Kandidat (Kandidatuddannelse)  
Udgivesesdato: 7 jun. 2013  
Antal sider: 83  
Fortrolig: Ikke-fortrolig  
Sprog: Engelsk  
Dokumenter:  
[master\\_final.pdf](#)  
Studenteropgave: Speciale

#### **Multilingual learning interactive application for preschoolers**

Forfattere: Chrysoula Georgiou (cgeorg11@student.aau.dk), Sambeg Thapa (sthapa11@student.aau.dk)  
Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk  
Uddannelse: 4. semester, Innovativ kommunikationsteknik og entreprenørskab, Kandidat (Kandidatuddannelse)  
Udgivesesdato: 7 jun. 2013  
Antal sider: 110  
Fortrolig: Fortrolig  
Sprog: Engelsk  
Studenteropgave: Speciale

#### **"Musik er vildere end politik"**

Forfattere: Siri Holm (shol12@student.aau.dk)  
Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk

Uddannelse: 3. semester, Kommunikation, Kandidat (Kandidatuddannelse)

Udgivelsesdato: 17 dec. 2013

Antal sider: 17

Fortrolig: Fortrolig

Sprog: Dansk

Studenteropgave: Semesterprojekt

#### **SocialPass: Socially-powered graphical authentication**

This study investigated the potential of social imagery content for the purpose of authentication by building a web-based password system, called SocialPass, that lets users create “social passwords”, which consist of images of a user’s friend list on Facebook. In particular, this paper meant to answer the question, if such a system could improve the usability and security characteristics of recognition-based graphical authentication schemes. The system was implemented in PHP and tested in two main studies, a web study with 58 participants and five user interviews. The research showed that the presented idea shows promising features, yet lacks a more suitable implementation, in order to seize its real potential, especially in regard to usability.

Specifically, the results presented here indicate a strong resistance to brute force and dictionary attacks due to a large password space of 35 bits, and the random nature of password assignment. Other risks are present but can be thwarted by refining the general concept in favour of these attacks.

In terms of usability, the current implementation lacks ease of use and ranks on average positions for a number of measures, such as login and training time. Success rates are still disappointing, mainly attributed to the time-consuming image search in the 6x10 grid, which could be improved by changing the input format. All in all, the concept presented here opens up new research opportunities in the field of authentication.

Forfattere: Robert Gutke (rgutke10@student.aau.dk)

Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk, Niels Koefoednielsk@cmi.aau.dk

Uddannelse: 6. semester, IT, Kommunikations- og Medieteknologi, Bachelor (Bacheloruddannelse)

Udgivelsesdato: 24 maj 2013

Antal sider: 102

Fortrolig: Ikke-fortrolig

Sprog: Engelsk

Graphical Authentication, Password, Social Networks

Dokumenter:

Bachelor Thesis - Robert Gutke

Studenteropgave: Bachelorprojekt

## **2012**

#### **Artificial Intelligent Diagnosis**

Forfattere: Martin Brandt (mbrandt11@student.aau.dk), Allan Møller (amolle11@student.aau.dk), Chrysoula Georgiou (cgeorg11@student.aau.dk), Sambeg Thapa (sthapa11@student.aau.dk)

Vejledere: Allan Dyhr Hammershøjallan@cmi.aau.dk, Jannick Kirk Sørensenjs@cmi.aau.dk

Uddannelse: 3. semester, Innovativ kommunikationsteknik og entreprenørskab, Kandidat (Kandidatuddannelse)

Udgivelsesdato: 20 dec. 2012

Antal sider: 88

Fortrolig: Fortrolig

Sprog: Engelsk

Studenteropgave: Semesterprojekt

#### **Instant AAU**

Forfattere: Paweł Deregowski (pdereg11@student.aau.dk)

Kontaktinfo: Paweł Deregowski

Vejledere: Jannick Kirk Sørensenjs@cmi.aau.dk

Uddannelse: 3. semester, IT, Kommunikations- og Medieteknologi, Bachelor (Bacheloruddannelse)

Udgivelsesdato: 19 dec. 2012

Antal sider: 49

Fortrolig: Ikke-fortrolig

Sprog: Engelsk

Dokumenter:

instant\_aau.pdf

Studenteropgave: Semesterprojekt

Ovenstående rapport er lavet ud fra følgende opsætning

Sorteret efter: Udgivelsesår

# K U R S U S B E V I S D I P L O M A

**Jannick Kirk Sørensen**

cpr.nr. 240767-2685

har gennemført

**Adjunktpædagogikum ved Aalborg Universitet**

i perioden oktober 2010 – februar 2012

Omfang: 7 ECTS

AAU Learning Lab, Aalborg Universitet, maj 2012



Lone Krogh  
Kursusleder  
AAU Learning Lab



Institutleder  
Lars Bodum  
Institut for Planlægning



**The course in University Pedagogy for Assistant Professors** (Adjunktpedagogikum) at Aalborg University aims to fulfil the requirement of Circular concerning the job structure for academic staff at universities , Ministry of Finance, Personal Board, 13 June 2007 that, '*Supervision is provided and opportunity for pedagogical qualifications for a written assessment of the assistant professor's teaching qualifications*'.

From the course, the assistant professor should gain and further develop:

- his/her knowledge of university pedagogy and education theory with focus on the qualification of abilities to develop, plan, design, and analyse various types of educational programs e.g. lectures, seminars, study groups or project work.
- knowledge and understanding of learning theories with the intent of becoming capable of initiating learning processes among a variety of students, both individually and in groups.
- experience in analysing and reflecting on his/her own teaching practice and learning processes, and in working systematically and analytically with the teaching portfolio
- qualifications for continuously developing and transforming his/her teaching practice, according to conditions and audiences

In order to support the development of pedagogic competencies in relation to university teaching and learning, the course has put focus on themes such as:

- The field of university pedagogy
- The professional university teacher
- Students - their learning and competence development
- Teaching methods
- ICT based teaching and learning
- Problem based project work and supervision
- Evaluation of students and of teaching
- Supervision and reflection

**Adjunktpædagogikum ved Aalborg Universitet** gennemføres for at sikre opfyldelse af kravet i Cirkulære om stillingsstruktur for videnskabeligt personale ved universiteter, Finansministeriet, Personalestyrelsen 13. juni 2007: "Der gives supervision og mulighed for pædagogisk opkvalificering med henblik på en skriftlig vurdering af adjunktens undervisningsmæssige kvalifikationer".

Målet for Adjunktpædagogikum er, at adjunkten gennem forløbets forskellige aktiviteter videreudvikler og kvalificerer

- sin viden om og forståelse af universitetspædagogik og didaktik som udgangspunkt for at kunne varetage undervisningen ved universitetet, f.eks. udvikling, planlægning, gennemførelse og evaluering af forelæsninger, seminarer, studiekredse, projektarbejde eller laboratoriearbejde
- sin viden om læringsteori med henblik på initiering af læreprocesser og kompetenceudvikling hos forskellige målgrupper af studerende
- sin evne til at analysere og reflektere over egen undervisningspraksis og læreprocesser og arbejdet med undervisningsportfolio.
- evnen til, under hensyn til ændrede vilkår og differentierede målgrupper, løbende at kunne udvikle og forandre sin undervisning

Til at understøtte udviklingen af universitetspædagogiske kompetencer, er der i forløbet sat fokus på temer som:

- Det universitetspædagogiske felt.
- Den professionelle universitetslærer
- De studerende, deres læring og kompetenceudvikling
- Undervisningsmetoder
- Teknologistøttet undervisning og læring
- Den problemorienterede projektarbejdsform og -vejledning
- Evaluering af undervisning og af studerende
- Supervision og refleksion.

## **Pædagogisk udtalelse for deltagelse i Adjunktpædagogikum, Aalborg Universitet 2010- 2012.**

Jannick K. Sørensen, Institut for Samfundsudvikling og Planlægning, Aalborg Universitet

### **Ansættelsesforhold**

Jannick K. Sørensen er ansat som adjunkt ved Institut for Samfundsudvikling og Planlægning (Center for Communication, Media and Information Technologies). Jannick K. Sørensen har deltaget i Adjunktpædagogikum i perioden oktober 2010 til januar 2012.

### **Formål**

Målet er, at adjunkerne, med udgangspunkt i deres eksisterende viden og erfaringer,

- får ny indsigt i og forståelse af teorier om undervisning og læring, koblet til egen praksis,
- bliver bedre til at udvikle, planlægge og gennemføre den mest hensigtsmæssige undervisning i relation til undervisningens mål, det faglige indhold, de ydre rammer og de studerendes forudsætninger,
- opnår større viden om og forståelse af læringsteori med henblik på at kunne identificere studerendes læringsbehov samt initiere læreprocesser og kompetenceudvikling hos studerende,
- får større kendskab til variationen af pædagogiske og teknologiske hjælpemidler og metoder, med henblik på at kunne anvende dem i forskellige sammenhænge og i forhold til forskellige målgrupper af studerende,
- får større indsigt i og forståelse af den problemorienterede projektarbejdsform og mulighederne for via vejledningen at understøtte de studerendes gruppe- og læreprocesser, herunder vejlederens rolle,
- opnår mere viden om og forståelse for evalueringens betydning, med henblik på at kunne evaluere hele og dele af undervisningsforløb samt studerendes kompetenceudvikling, som grundlag for at videreforske undervisningen,
- får erfaringer med at arbejde systematisk og analytisk med undervisnings-portfolio samt selvevaluering, og ikke mindst
- får lyst til og forudsætninger for, under hensyn til ændrede vilkår og differencierede målgrupper, fortsat at udvikle og forbedre undervisningen.

## **Undervisningsopgaver**

I perioden oktober 2010 - januar 2012 har Jannick K. Sørensen haft følgende *undervisningsopgaver*:

- Vejledning: Jannick K. Sørensen har været projektvejleder for 2 projektgrupper på 1. semester af ICTE uddannelsen (BSc.), samt projektvejleder for 1 projekt på 2. trimester, mICT uddannelsen (Ghana), tema: "Services and Platforms"
- Undervisning
- Jannick Sørensen har afholdt i alt gennemført 19 forelæsninger med tilhørende opgaveløsning inden for følgende kursusrækker:
  - "Requirement Specification" på BSc. uddannelsen ITCOM
  - "Interaction Design" på MSc. uddannelsen ICTE"
  - "Interaction Design" på mICT uddannelsen i Accra, Ghana
  - "Content- and Media Management" på MSc. uddannelsen ICTE (forløbet er gennemført to gange, hhv. efterår 2011 og efterår 2012.

### *Andre typer opgaver*

Jannick Sørensen har deltaget i revision af studieordninger og i formidling af information om ICTE uddannelsen på web og print. Derudover har Jannick Sørensen deltaget aktivt i lærermøder og i pædagogiske diskussion i lærerkolleget.

## **Vejledning og supervision**

Jannick Kirk Sørensen har modtaget supervision fra to vejledere. Lektor , Lene Tolstrup Sørensen, Institut for samfundsudvikling og Planlægning, har været tilknyttet som fagpædagogisk vejleder. Vejleder fra AAU Learning Lab har været professor Lise Busk Kofoed.

## **Kursusindhold**

Adjunktpædagogikum er inddelt i 4 blokke, indeholdende 3 moduler, der fordeler sig over hele Adjunktpædagogikumforløbet. Adjunktpædagogikum er beregnet til et arbejdsomfang for deltagerne på 175 arbejdstimer, svarende til 7 ECTS.

### **Modul 1 Undervisningsportfolio (3 ECTS)**

### **Modul 2: Universitetspædagogik, didaktik og læring (2 ECTS)**

### **Modul 3: Undervisnings- og vejledningspraksis, teori og metode (2 ECTS)**

I **blok 1**, som er et teori-modul, har Jannick K. Sørensen tilegnet sig generel indsigt i universitetspædagogik, didaktik og læring. Med indsigt i teorier inden for det pædagogiske og læringsmæssige felt har Jannick K. Sørensen gennemført en systematisk refleksion over sin aktuelle undervisningspraksis og pædagogiske viden. Disse overvejelser og refleksioner er blevet beskrevet i en undervisningsportfolio, som har dannet udgangspunkt for udarbejdelse af en pædagogisk handleplan, omfattende udvikling, planlægning og tilrettelæggelse af undervisnings- og vejledningsaktiviteter i efterfølgende blokke.

I **blok 2**, som overvejende er et praksis-modul, der foregår i eget faglige miljø, har Jannick K. Sørensen arbejdet med strukturelle, organisatoriske, indholdsmæssige og pædagogiske elementer, der har indflydelse på undervisnings- og vejledningssituationer. Der er blevet arbejdet med emner som planlægning af undervisning, lærerprofessionalitet, lærerroller i forskellige undervisningsformer, studerendes forudsætninger og læreprocesser, gennemførelse og evaluering af undervisningsforløb samt anvendelse af forskellige pædagogiske "redskaber", herunder anvendelse af teknologistøttet undervisning. Dette arbejde er foregået med udgangspunkt i adjunktens egen undervisning og vejledning, med de studerende som sparringspartnere og i samarbejde med vejlederne samt med inspiration fra deltagelse i en række workshops.

Vejlederne har gennemført en række *observationer*, inkl. efterfølgende supervision og vejledning. Vejledningen har været rettet mod *såvel* detaljer i fremtoningen og anvendelsen af metoder og teknikker i undervisnings- og vejledningspraksis *som* mod anvendelsen af pædagogiske og fagdidaktiske refleksioner i forbindelse med udvikling, planlægning, gennemførelse og evaluering af undervisning. Endelig har Jannick K. Sørensen løbende deltaget i møder sammen med kolleger på studiet samt overværet kollegeres undervisning.

Jannick K. Sørensen har i denne forbindelse udarbejdet kompendium samt indgået i undervisningsplanlægning

I **blok 3**, som er et kombineret teoretisk og praktisk modul, har Jannick K. Sørensen tematiseret og systematiseret sine overvejelser og erfaringer fra de foregående moduler. Disse har Jannick K. Sørensen skriftligt formidlet i sin undervisningsportfolio med henblik på viderebearbejdning i forlængelse af deltagelse i en workshop om teoretisk og praktisk universitetspædagogik. Bearbejdningen heraf har dannet udgangspunkt for udarbejdelse af en revideret pædagogisk/didaktisk handleplan for blok 4 med specielt sigte på at opnå erfaring med andre undervisningsformer.

I **blok 4**, som ligesom blok 2 overvejende er en blok, hvor der er fokus på undervisnings- og vejledningspraksis, har Jannick K. Sørensen fortsat arbejdet med at udvikle sin undervisning og vejledning. Eksempler på dette er:

- I kursusundervisningen har Jannick K. Sørensen afprøvet forskellige undervisningsteknikker til at opnå dialog i undervisningen/organiseret undervisningen på en måde, der har gjort det muligt med øget studenterinvolvering
- I projektvejledningen har Jannick K. Sørensen arbejdet med at blive bedre til stille spørgsmål for at øge de studerendes faglige refleksioner over deres arbejde.

Vejlederne har gennemført en række observationer med efterfølgende supervision og vejledning og har ligesom igennem supervisionen i blok 2 bredt berørt forskellige aspekter af undervisningen, dog med speciel vægt på kommunikation og dialog med de studerende.

#### Beskrivelse af pædagogiske kvalifikationer

Jannick K. Sørensens undervisning bærer præg af at være velovervejet og gennemtænkt. I kursusundervisningen/forelæsningen er målene klart formulerede, både for det samlede undervisningsforløb og for den enkelte undervisningsgang. Jannick K. Sørensens forelæsninger er velstrukturerede og de afholdes uden brug af manuskript, hvilket medvirker til, at Jannick K. Sørensens forelæsninger virker levende og engagerende så de studerende i høj grad kan stille spørgsmål uden at forstyrre forelæsningen. Jannick K. Sørensen gør i vidt omfang brug af at stille åbne spørgsmål og mange hvorfor-spørgsmål i den enkelte forelæsning, med henblik på at understøtte de studerendes forståelse af stoffet. Han har ved planlægningen af kursus i videnskabsteori og metodelære anvendt det eksemplariske princip for strukturering af forløbet. Ved opgaveløsning er han imødekommen, generaliserer væsentlige forståelsesmæssige aspekter og giver de studerende konstruktive svar på deres spørgsmål.

Jannick K. Sørensen har i forbindelse med kursus i videnskabsteori og metode udarbejdet kompendium og i samarbejde med kolleger formuleret opgaver, der afspejler progressionen i undervisningen.

Jannick K. Sørensen har arbejdet med at udvikle motiverende indledninger og skabe dialog i undervisningen, hvilket er lykkedes, bl.a. på grund af en alsidig formidling af det faglige stof, hvor han har eksperimenteret med anvendelse af forskellige undervisningstekniske hjælpemidler.

Projektvejledningen bærer ligeledes præg af Jannick K. Sørensens faglige overblik og evne til, sammen med de studerende, at opstille mål for projektarbejdet. Endvidere virker Jannick K. Sørensen inspirerende i projektvejledningen ved konstruktivt at formulere spørgsmål og hjælpe de studerende med at formulere forskellige løsninger til de problemer, som de kommer frem med. Han er velforberedt og giver sig god tid til at vejlede.

*Sammenfattende vurdering*

Jannick K. Sørensens pædagogiske styrker ligger i velovervejet planlægning og strukturering af det faglige stof. Gennem hele adjunktpædagogikum har Jannick K. Sørensen arbejdet meget bevidst med at øge afvekslingen i den enkelte undervisningsgang, og har gennem kurset udviklet evner til pædagogisk teoretisk refleksion af undervisningen såvel som evne til at opstille realistiske mål for mindre undervisningsekspimenter. Jannick K. Sørensen har gennemført kurset på meget tilfredsstillende vis.

Aalborg, 16. April,  
2012

*Janne Sørensen*

Lektor Lene Tolstrup  
Sørensen]  
Fagpædagogisk vejleder,  
PLAN, CMI

*Lise Busk Kofoed*

Professor Lise Busk Kofoed  
Pædagogisk vejleder. AAU  
Learning Lab, Inst. For  
Uddannelse, Læring og  
Filosofi

## Lennard Hilgendorf (Candidate ID 2153000)



Kønnummer	<b>11</b>
Fornavn	<b>Lennard</b>
Efternavn	<b>Hilgendorf</b>
Adresse	<b>Røde Mellemvej 40</b>
Postboks	<b>2300 København S</b>
Land	<b>Danmark</b>
Statsborgerskab	<b>Tyskland</b>
Køn	<b>Mand</b>
Fødselsdato	<b>25-06-1995</b>
E-mailadresse	<b>ku_hr_manager_81@planitalabs.de</b>
Mobiltelefon	<b>+45-23980953</b>

# Lennard Hilgendorf

## Curriculum Vitae

Røde Mellemvej 40  
2300 København S  
Denmark  
☎ +45 23 98 09 53  
✉ fwc817@alumni.ku.dk

### Education

- 2016 – to date **M.Sc. Computer Science**, *University of Copenhagen*, Denmark.  
Focus on data science and machine learning
- 2012 – 2015 **B.Eng. Information Technology**, *Baden-Württemberg Cooperative State University Ravensburg*, Friedrichshafen, final mark: 1.3.  
Major options: communication networks and software engineering
- Oct 09 – Mar 11 **Schülerstudium**, *Technical University of Munich*.  
University programme for high school students to attend regular lectures and seminars in the field of computer science
- 2005 – 2012 **Abitur**, *Maria-Theresia-Gymnasium*, Munich, final mark: 1.3.  
General qualification for university entrance  
Main subjects: mathematics, computer science, ethics, English, German

### Master's Thesis

- Title *Duelling Bandits with Weak Regret in Stochastic and Adversarial Environments*  
Supervisor Yevgeny Seldin

### Bachelor's Thesis

- Title *Concept and Implementation of an Application Firewall Filter Module for SOAP*  
Supervisors Prof. Erwin Fahr, Dipl.Ing. Tim Werthmann

### Vocational Experience

- Apr 18 – Jun 18 **Teaching Assistant**, *University of Copenhagen*.  
NDAK15018U Large-Scale Data Analysis (LSDA)
- Nov 17 – Jan 18 **Teaching Assistant**, *University of Copenhagen*.  
NDAK15007U Machine Learning (ML)
- Sep 17 – Nov 17 **Teaching Assistant**, *University of Copenhagen*.  
NDAA09023U Advanced Algorithms and Data Structures (AADS)
- Oct 15 – Jun 16 **IT Security Specialist**, *Airbus Defence and Space CyberSecurity*, Munich.  
○ Integration, validation, and deployment of a network security monitoring solution  
○ Identification of opportunities for improvement and further development  
○ Conception and implementation of cyber attack scenarios for demonstration purposes

### Practical experience at Airbus Defence and Space

- Jul 15 – Sep 15 **CyberSecurity, Cyber Engineering Germany**, Friedrichshafen.
- Development for the Secure Exchange Gateway (SEG)
    - Conception and implementation of a filter module for SOAP
    - SEG Integration with Single European Sky ATM Research (SESAR)
- Jan 15 – Mar 15 **Information Management, Local Support Finland**, Helsinki.
- Creation of a security-enhanced Linux-based live browsing solution
  - Design and implementation of an advanced sheep dip solution
  - Implementation and deployment of an access-controlled guest WiFi solution
- Apr 14 – Sep 14 **CyberSecurity, Cyber Engineering Germany**, Munich / Friedrichshafen.
- Development of a semi-automatic analysis tool for vulnerability scan results
  - Support of the development of the Secure Exchange Gateway (SEG)
    - Handling of work packages: implementation of new features
    - Migration and upgrade of test environment
    - Implementation and execution of test cases
    - Bug tracing and fixing
- Sep 13 **Information Management, Strategy & Process Support**, Munich.
- Conceptual design and implementation of a measurement method of service availability
    - Creation of a service-level agreement
    - Analysis and selection of measurement points
    - Implementation of measuring method

### Languages

German	<b>First language</b>	
English	<b>CEFR C1</b>	<i>Effective operational proficiency</i>
French	<b>CEFR B1</b>	<i>Elementary knowledge</i>
Spanish	<b>CEFR B1</b>	<i>Elementary knowledge</i>
Danish		<i>Elementary knowledge (self-study)</i>

### Volunteer Experience

- 2015 **Tutoring of students**, DHBW Ravensburg.  
Tutorial of first-year students in mathematics
- 2015 **Class representative**, DHBW Ravensburg.
- 2017-2018 **Mentor of the International Student Mentor Programme**, University of Copenhagen.

May 21, 2018

Dear Sir or Madam

During volume 2017/2018 I have been employed as a teaching assistant at DIKU in Advanced Algorithms and Data Structures (AADS), Machine Learning (ML), and Large-Scale Data Analysis (LSDA).

I am hereby applying for a position as an assistant lecturer for the courses Advanced Topics in Machine Learning (ATML, block 1) and Machine Learning (ML, block 2). I will be handing in my thesis in August to complete my Master's in computer science with its defence. Besides passing last semester's course in Advanced Topics in Machine Learning with a 12, my thesis covered a topic adjacent to one of the course's main topics.

This year my main motivation was to spend even more time on the topics covered and gaining a deeper understanding of the material covered while working in an academic environment. Next semester I would like to work in a part-time position after finishing my studies in order to focus on some scientific readings and independent studies while looking for a PhD position.

I would be happy to answer any questions you might have or provide more material, and I am looking forward to hearing from you!

Yours sincerely,

Lennard Hilgendorf

University of Copenhagen

Lennard Hilgendorf  
Nørregade 10  
Postboks 2177  
1017 København K



KØBENHAVNS  
UNIVERSITET

Date 15.05.2018

It is hereby confirmed that Lennard Hilgendorf, Civil Registration Number:  
250695-2517, is enrolled as a student at University of Copenhagen.

Name of the education: Master's programme

**The student has not graduated.**

The student has passed the following subjects.

The credits are shown in ECTS

		ECTS		
		Marks	Grade	Credits
Master's programme, Computer Science				90.0000
Master, Major subject 120 ECTS, Computer Science				90.0000
General Profile in Computer Science 120 ECTS				90.0000
Compulsory Courses		passed		30.0000
Advanced Programming	02	E		7.5000
Advanced Algorithms and Data Structures	10	B		7.5000
Advanced Computer Systems	10	B		7.5000
Machine Learning	10	B		7.5000
Restricted Elective Courses 45 ECTS		passed		30.0000
Signal and Image Processing	7	C		7.5000
Numerical Optimization	12	A		7.5000
Large-Scale Data Analysis	12	A		7.5000
Randomized Algorithms	12	A		7.5000
Elective Courses 15 ECTS		passed		30.0000
MSc Courses		passed		30.0000
Programming Massively Parallel Hardware	10	B		7.5000
Advanced Topics in Machine Learning	12	A		7.5000
Causality	10	B		7.5000
Sparse Learning	12	A		7.5000

## Marta Gómez (Candidate ID 2138692)



Kønnummer	5
Fornavn	Marta
Efternavn	Gómez
Adresse	Avda. Francia nº 13, Leganés, Madrid
Postboks	28916 Madrid
Land	Spanien
Statsborgerskab	Spanien
Køn	Kvinde
Fødselsdato	19-02-1991
E-mailadresse	mgs_lm@hotmail.com
Privattelefon	+34-916862352
Mobiltelefon	+34-916862352

# MARTA GÓMEZ

## MACHINE LEARNING & SIGNAL PROCESSING

### + CONTACT

Address Avda. Francia

Leganés

28916, Madrid

Telephone  +34 609 75 09 22

 +34 609 75 09 22

Email  mgs\_lm@hotmail.com

Nationality Spanish

Date of birth February 19, 1991

Gender Female

### + EDUCATION

2015 - 2016 **MULTIMEDIA AND COMMUNICATIONS MASTER'S DEGREE**

UNIVERSIDAD CARLOS III DE MADRID

Av. de la Universidad, 30  
LEGANÉS, MADRID  
28916

2014-2015 **BEHAVIOURAL NEUROSCIENCE – OPEN COURSE**

**NEUROCOGNITIVE LANGUAGE AND LEARNING – OPEN COURSE**  
UNIVERSITAT OBERTA DE CATALUNYA

Avenida Tibidabo, 39-43  
BARCELONA  
08035

2010-2014 **INDUSTRIAL ENGINEERING BACHELOR'S DEGREE**

UNIVERSIDAD CARLOS III DE MADRID

Av. de la Universidad, 30  
LEGANÉS, MADRID  
28916

Orientations Mathematics

Languages: English (Intermediate) , Spanish (Native) and French(Basic).

### + LANGUAGES

Mother tongue **Spanish**

Foreign languages **English**

(as a first foreign language, very good command both written and spoken)

**French**

(as a second foreign language, very good working knowledge with technical

terms ).

+ IT PROFESSIONAL SKILLS

Operating systems **Linux, Windows Vista - 10, Android**

System development **Python (Intermediate) , Matlab (Basic) , C++ (Basic)**

Web **HTML5 (Basic)**

Design **GIMP, Adobe Premiere Pro**

+ PROFESSIONAL HIGHLIGHTS

I get involved easily into new projects.

I love to take care of children and enjoy creative activities with them.

+ OTHER SKILLS AND HOBBIES

Music

Literature

Patience

Kindness

+ PROFESSIONAL EXPERIENCE

2017 - 2018 **CAREGIVER IN FAMILY**

TWO CHILDREN (8,10 YEARS OLD)

MADRID

2015-2016 **SCHOLARSHIP TEACHING UNDERGRADUATE STUDENT AT UNIVERSITY**  
UNIVERSIDAD CARLOS III DE MADRID

Av. de la universidad, 30  
LEGANÉS, MADRID  
28916

2010-2011 **LIBRARIAN**

INSTITUTO ISAAC ALBENIZ

Av. de Gran Bretaña 18  
LEGANÉS, MADRID  
28916

2010-2011 **PARTICULAR CLASSES TO HIGH SCHOOL STUDENTS**

Mathematics

**Please state it in the top of your application if you are already employed as an assistant lecturer at DIKU:**

I am not already employed as an assistant lecturer at DIKU.

**If you apply for more than one position then please prioritize your wishes in your application:**

- 1.Machine learning (ML) in block 2
- 2.Modelling and analysis of data (MAD) in block 2
- 3.Advanced Topics in Machine learning (ATML) in block 2
- 4.Vision and Image Processing (VIP) Block 2

# MARTA GÓMEZ

## + CONTACT

Address Avda. Francia

Leganés

28916, Madrid

Telephone  +34 609 75 09 22

 +34 609 75 09 22

Email  mgs\_lm@hotmail.com

Nationality Spanish

Date of birth February 19, 1991

Gender Female

## + EDUCATION

2015 - 2016 **MULTIMEDIA AND COMMUNICATIONS MASTER'S DEGREE**

UNIVERSIDAD CARLOS III DE MADRID

Av. de la Universidad, 30  
LEGANÉS, MADRID  
28916

2014-2015 **BEHAVIOURAL NEUROSCIENCE – COURSE**

**NEUROCOGNITIVE LANGUAGE AND LEARNING – COURSE**

UNIVERSITAT OBERTA DE CATALUNYA

Avenida Tibidabo, 39-43  
BARCELONA  
08035

2010-2014 **INDUSTRIAL ENGINEERING BACHELOR'S DEGREE**

UNIVERSIDAD CARLOS III DE MADRID

Av. de la Universidad, 30  
LEGANÉS, MADRID  
28916

Orientations Mathematics

Languages: English (Intermediate) , Spanish (Native) and French(Basic).

## + LANGUAGES

Mother tongue **Spanish**

Foreign languages **English**

(as a first foreign language, very good command both written and spoken)

**French**

(as a second foreign language, very good working knowledge with technical terms ).

## + IT PROFESSIONAL SKILLS

Operating systems **Linux, Windows Vista - 10, Android**

Marta Gómez's curriculum vitae - Page 1 of 2

System development **Python (Intermediate) , Matlab (Basic) , C++ (Basic)**

Web **HTML5 (Basic)**

Design **GIMP, Adobe Premiere Pro**

+ PROFESSIONAL HIGHLIGHTS

+ OTHER SKILLS AND HOBBIES

Music

Literature



## CERTIFICACIÓN ACADÉMICA OFICIAL

### ACADEMIC TRANSCRIPT

Universidad Carlos III de Madrid

Don MARCOS VAQUER CABALLERIA, Secretario General de la Universidad Carlos III de Madrid,  
**CERTIFICA:**

Mr. MARCOS VAQUER CABALLERIA, General Secretary of Universidad Carlos III de Madrid,  
**CERTIFIES THAT:**

Nombre del Estudiante <i>First Name of Student</i>	MARTA	Apellidos <i>Surname</i>	GOMEZ SANCHO	DNI/Pasaporte <i>N.I.D./Passport Number</i>	53719828Q
Plan de Estudios <i>Study Program</i>	<b>Máster Universitario en Multimedia y Comunicaciones</b> <b>Master in Multimedia and Communications</b>				
Facultad/Escuela <i>Faculty/School</i>	<b>Centro de Postgrado</b> <b>Centro de Postgrado</b>				

La estudiante ha superado en Septiembre de 2017/2018 todos los créditos necesarios para la obtención del título (Nº total de créditos superados: 60)

*In 2017/2018, September the student has passed all the credits of the study program to the Diploma (Total number of passed credits: 60)*

Ha cursado la opción bilingüe.

*Has taken the bilingual option.*

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Verificación código: <https://www.uc3m.gob.es/verificacion>

Código Asignatura <i>Course Code</i>	Asignatura <i>Subject</i>	Año Académico <i>Academic year</i>	Calificación <i>Grade</i>
12996	<b>Aplicaciones del Aprendizaje Automático</b> 6,0 créditos (Optativa,Segundo ciclo,Primer curso) Realizada en Inglés  <b>Machine learning applications</b> 6,0 credits (Electives,Second cycle,First year) Taught in English	2015/16	7,5 NOTABLE  GOOD
8931	<b>Aplicaciones del Tratamiento de Señales</b> 6,0 créditos (Optativa,Segundo ciclo,Primer curso) Realizada en Inglés  <b>Applications of signal processing</b> 6,0 credits (Electives,Second cycle,First year) Taught in English	2015/16	8,1 NOTABLE  GOOD

MARTA GOMEZ SANCHO, con /with DNI/N.I.D. 53719828Q - Página/Page 1 de/of 4

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C/ Madrid, 126-128 GETAFE - Madrid - 28903. Tfno.: 916249500 Fax.: 916249500 - <https://www.uc3m.gob.es>

Página: 1 / 4



Código Asignatura Course Code	Asignatura Subject	Año Académico Academic year	Calificación Grade
12994	<b>Aprendizaje Automático</b> 6,0 créditos (Optativa,Segundo ciclo,Primer curso) Realizada en Inglés  <b>Machine Learning</b> 6,0 credits (Electives,Second cycle,First year) Taught in English	2015/16	5,0 APROBADO  PASS
8941	<b>Gestión de Información Multimedia</b> 6,0 créditos (Optativa,Segundo ciclo,Primer curso) Realizada en Inglés  <b>Multimedia information management</b> 6,0 credits (Electives,Second cycle,First year) Taught in English	2015/16	7,0 NOTABLE  GOOD
8533	<b>Teoría de la Información</b> 6,0 créditos (Optativa,Segundo ciclo,Primer curso) Realizada en Inglés  <b>Information Theory</b> 6,0 credits (Electives,Second cycle,First year) Taught in English	2016/17	7,4 NOTABLE  GOOD
8939	<b>Tratamiento Avanzado de Señales</b> 6,0 créditos (Optativa,Segundo ciclo,Primer curso) Realizada en Inglés  <b>Advanced signal processing</b> 6,0 credits (Electives,Second cycle,First year) Taught in English	2015/16	7,0 NOTABLE  GOOD
8934	<b>Tratamiento de Voz y Audio</b> 6,0 créditos (Optativa,Segundo ciclo,Primer curso) Realizada en Inglés  <b>Speech and Audio Processing</b> 6,0 credits (Electives,Second cycle,First year) Taught in English	2015/16	7,7 NOTABLE  GOOD
12995	<b>Visión por Ordenador</b> 6,0 créditos (Optativa,Segundo ciclo,Primer curso) Realizada en Inglés  <b>Computer Vision</b> 6,0 credits (Electives,Second cycle,First year) Taught in English	2016/17	6,0 APROBADO  PASS
14921	<b>Comparison of feature representations in MRI-based MCI-to-AD conversion prediction.</b> 12,0 créditos (Obligatoria,Segundo ciclo,Primer curso) Realizada en Inglés  <b>Master's Thesis: Comparison of feature representations in MRI-based MCI-to-AD conversion prediction.</b> 12,0 credits (Compulsory,Second cycle,First year) Taught in English	2016/17	9,0 SOBRESALIENTE  EXCELLENT

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Verificación código: <https://www.uc3m.gob.es/verificacion>



MARTA GOMEZ SANCHO, con /with DNI/N.I.D. 53719828Q - Página/Page 2 de/of 4

FIRMADO POR	FECHA FIRMA
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C/ Madrid, 126-128 GETAFE - Madrid - 28903. Tfno.: 916249500 Fax.: 916249500 - <https://www.uc3m.gob.es>

Página: 2 / 4



Con fecha 13/9/2017 defendió el Trabajo Fin de Máster con el título: "**Comparison of feature representations in MRI-based MCI-to-AD conversion prediction.**" y obtuvo la calificación de (SOBRESALIENTE).

On 13/9/2017 defended the final master's thesis entitled: "**Comparison of feature representations in MRI-based MCI-to-AD conversion prediction.**" and was awarded the grade of (EXCELLENT).

**Nota media de las asignaturas superadas, en escala de 0 a 10.**

**Average Grade of all passed courses with a grading scale from 0 to 10.**

Nota Media:

7,37	NOTABLE
	GOOD

Grade Average:

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Verificación código: <https://www.uc3m.gob.es/verificacion>



Descripción del sistema de calificaciones en escala de 10 puntos

Description of the institutional grading system in 10-point grading scale

El rendimiento del estudiante es evaluado mediante una escala de calificaciones de 10 puntos, donde 5 es la calificación mínima para aprobar. La calificación se puede expresar alfabéticamente de la siguiente manera:

The student's performance is assessed using a 10-point grading scale where 5 is the minimum grade to pass. The grades can be expressed in words as follows:

NO PRESENTADO = NP. El estudiante no ha realizado el examen.

ABSENT = NP. The student didn't take the exam.

SUSPENSO (desde 0 hasta 4,9). Se requiere un mayor trabajo por parte del estudiante. Debe repetir el examen.

FAIL (from 0 to 4.9). Considerable further work is required. The student must resit the exam.

APROBADO (desde 5,0 hasta 6,9). Conocimiento satisfactorio de la materia.

PASS (from 5.0 to 6.9). Satisfactory knowledge of the contents.

NOTABLE (desde 7,0 hasta 8,9). Estudiante que demuestra un profundo conocimiento del contenido del curso.

GOOD (from 7.0 to 8.9). Students who demonstrate a thorough knowledge of the course contents.

SOBRESALIENTE (desde 9,0 hasta 10,0). Destacada realización de la prueba de evaluación.

EXCELLENT (from 9.0 to 10.0). Outstanding performance.

MATRÍCULA DE HONOR (desde 9,0 hasta 10,0). Realización excepcional de la prueba de evaluación.

HONOURS (from 9.0 to 10.0). Exceptional performance.

MARTA GOMEZ SANCHO, con /with DNI/N.I.D. 53719828Q - Página/Page 3 de/of 4

FIRMADO POR	FECHA FIRMA
Q2818029G SECRETARIO GENERAL	19-09-2017 14:16:23
S2833002E Sello de tiempo TS@ - @firma	19-09-2017 14:16:24

C/ Madrid, 126-128 GETAFE - Madrid - 28903. Tfno.: 916249500 Fax.: 916249500 - <https://www.uc3m.gob.es>

Página: 3 / 4



**Nota: Por favor, tenga en cuenta que la versión inglesa del certificado solamente tiene un fin informativo.  
Únicamente el español es legalmente vinculante**

**NB: Please note, the English-language version is for informative purposes only. The Spanish-language document  
alone is legality binding.**

ID DOCUMENTO: 0JTNBWmxa4q0g2Pvjaqb12A+1gU=  
Verificación código: <https://www.uc3m.gob.es/verificacion>



MARTA GOMEZ SANCHO, con /with DNI/N.I.D. 53719828Q - Página/Page 4 de/of 4

FIRMADO POR	FECHA FIRMA
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February 2016

### Translating grades into the Danish grading system (7 point)

Example - fill in your own data

Your Name: Marta Gómez Sancho  
Date of Birth: 19/02/1991

Name: Marta Gómez Sancho

Please indicate whether you are converting BSc or MSc grades by ticking

BSc	MSc
	X

The highest grade of your grading system  
The lowest passing grade of your grading system

10
0

Name of courses - with grades given as digits	Credits	Grade	Credits x grade
Machine Learning Applications	6	7,5	45
Applications of Signal Processing	6	8,1	48,6
Machine Learning	6	5	30
Multimedia Information Management	6	7	42
Information Theory	6	7,4	44,4
Advanced Signal Processing	6	7	42
Speech and Audio Processing	6	7,7	46,2
Computer Vision	6	6	36
		0	0
		0	0
		0	0
		0	0
<b>Total</b>	<b>48</b>		<b>334,2</b>
<b>Danish weighted average</b>			<b>9,0</b>

Name of courses - with 'Passed' or 'Not passed'	Credits	Grade
Course 1	0	Passed
Course 2	0	Passed
Course 3	0	Passed
Course 4	0	Passed
Course 5	0	Passed
Course 6	0	Passed
<b>Total</b>	<b>0</b>	

Percentage Courses with the grade "Passed" **0,00%**

**Grade for BSc or MSc thesis**      Credits      Grade

February 2016

Bachelor's or Master's thesis

12  9  11,0

**Total number of Credits**

60,0

Master degree (60 credits, 1 year) + Bachelor degree (240 credits, 4 years)

February 2016

## How to fill in the formula

NB! Please read the information below carefully

- ← Please fill in one form for your bachelor's degree and one for your master's degree
- ← You must enter the highest grade in the grading system of your *home university*, even if you have not received this grade for any of the courses you are listing.

It is very important that you enter the lowest passing grade in the grading system of your *home university*, not the lowest grade you received. Grades given as letters, A, B, C etc., cannot be converted. Instead you should enclose an official description of your university's grading system.

- ← Credits may be listed either as points, hours, or whichever quantification method used to calculate the estimated time spent on coursework.

If all courses weigh the same, i.e. are each worth the same amount of credits, just enter 1 in each field under *Credits*

Please do not include your thesis grade in the conversion, as it may influence your grade point average disproportionately in a positive or negative manner. Please list this grade in the designated field below.

Conversions from some grading scales to the Danish one may give unfair results or be unfeasible. This cannot be helped. Please include an official description of the grading scale of your home country and explain why it cannot be converted. It is a well-known problem, and our PhD committees have plenty of experience in assessing candidates fairly in these situations.

- ← Please include this percentage in the Application Form (page 2) when you apply for academic approval (after being selected for the position)
- ← This section is only for exams evaluated with 'Passed' or 'Not Passed' grades. If all your grades are numeral, please leave this part of the conversion sheet empty.

- ← Please include this percentage in the Application Form (page 2) when you apply for academic approval (after being selected for the position)

February 2016

- ← Please include this percentage in the Application Form (page 2) when you apply  
for academic approval (after being selected for the position)

## Md. Ansarul Haque (Candidate ID 2152599)



Kønnummer	9
Fornavn	Md. Ansarul
Efternavn	Haque
Adresse	Hornemanns Vænge 41, 3 mf
Postboks	2500 Valby
Land	Danmark
Statsborgerskab	Bangladesh
Køn	Mand
Fødselsdato	01-01-1984
E-mailadresse	mdansarul_haque@yahoo.com
Mobiltelefon	+45-31892677

## Curriculum Vitae

Name Md. Ansarul Haque  
Address Hornemanns Vaenge 41, 3 mf, 2500  
Valby Denmark  
Mobile (+45)31892677  
Nationality Bangladeshi  
CPR No. 010184-\*\*\*\*  
Email [mdansarul\\_haque@yahoo.com](mailto:mdansarul_haque@yahoo.com)



### Career Objective

Having strong educational background around IT, capturing the most exciting Danish language and having accustomed to the Danish work culture over the past three years, I am now pursuing a career back in my area of interest. I am looking forward to work in a challenging environment where I can show my passion, self-motivation and goal-orientation. My eagerness to deliver the highest effort in combination with my previous experience ensures optimal results and value creation for University of Copenhagen.

### Education

2009 – 2013	Master of Science in Information Technology Halmstad University, Sweden with the collaboration of Aalborg University, Denmark Passed (ECTS)*
2007– 2011	Master of Business Administration University of Dhaka, Bangladesh CGPA 3.52 (out of 4.0)*
2001 – 2005	Bachelor of Science (Engineering) in Computer Science & Engineering Shahjalal University of Science and Technology, Bangladesh CGPA 3.4 (out of 4.0)*

\*I would be glad to provide the grading format (i.e. ECTS/CGPA/Marks) if wished.

### Publications

Md. AnsarulHaque, Md. Delwar Hossain: IEEE conference paper on “Technology Survey on Wireless Communication for In-vehicleApplications”, SKIMA-2014 (Dec)

Md. AnsarulHaque, Tamjid Rahman: Journal on “Sentiment Analysis by Using Fuzzy Logic”, IJCSEIT, Feb-2014

Halima Akhter, Md. Ansarul Haque: Journal on “Comparative Analysis Of Authentication And Authorization Security In Distributed System”, IJRET, Nov-2014

### Working Experience

Aug 13 – Dec 14	<b>Lecturer</b> , Department of Computer Science and Engineering (CSE), Stamford University Bangladesh <ul style="list-style-type: none"><li>▪ Conducting tutorial classes and laboratory experiments, graded quizzes, assisted instructors in the administration of examinations.</li><li>▪ Taught Electric Circuit &amp; Devices, Digital Logic Design, Digital Signal Processing, Graph Theory, Discrete Mathematics &amp; Fundamental of Computer Science.</li><li>▪ Guiding the 4<sup>th</sup> year students to perform their thesis or project, organizing</li></ul>
-----------------	--

events and manage those events' teams.

Dec 07 – Aug09

- Asst. Database Officer in the IT Department, BGMEA University of Fashion & Technology (BUFT), Bangladesh**
- Database handling (creating, maintaining and updating). Specifically, result-oriented activities – result processing and result publishing, providing transcript by using Crystal Report
  - Operating and maintaining LAN/VLAN and MIS-based software
  - IT Support – Responding to user problem reports and troubleshooting hardware, software and network related problems.
  - Internal and external network maintenance. Additionally, maintaining cooperation and collaboration within the departments regarding IT issues

### Experience in Denmark

Jan 15 – Present

Chef, Meyers Production / Cofoco, Copenhagen

- Self-motivated individual with strong drive to achieve target deadline under pressure.
- Working independently and in a group
- Handling multiple tasks in parallel
- Learning Danish

### IT Skills

- Databases: MySQL, SQL
- Networking: CCNA, CCNI
- Programming Languages: C, C++, Assembly
- Web and Scripting Language: PHP
- LaTex, UML

### Achievements

- Cisco Certified Networking Instructor (CCNI) program, American International University Bangladesh
- Received teachers training from Centre For Excellence (CFE), Stamford University Bangladesh
- Cisco Certified Networking Associate (CCNA) program, Shahjalal University Science and Technology, Sylhet, Bangladesh
- Dansk Prøve 3 (PD3)

### Language Skills

Language	Reading	Writing	Speaking
Bengali	Native	Native	Native
English	Fluent	Fluent	Fluent
Danish	Proficient	Proficient	Fluent

### Additional Information

I rarely miss the opportunity to play outdoor games especially football and cricket. In addition, I like biking, exploring new places i.e. backpacking and hiking.

# Md. Ansarul Haque

Hornemanns Vaenge 41, 3 mf, 2500, Valby, Denmark

Cell: 31892677

Email: [mdansarul\\_haque@yahoo.com](mailto:mdansarul_haque@yahoo.com)

Dear Members of the Search Committee,

I read University of Copenhagen's advertisement for Assistant Lecturers position at the Department of Computer Science, Block 1 & 2 in 2018 and am writing to apply. I am extremely interested in this position as my undergraduate and master education, interest and experience with study abroad programs, and interdisciplinary research background make me a terrific fit. I have previously worked as a lecturer at Stamford University of Bangladesh and have sound teaching skills.

My objective as a teacher is to motivate my students to develop their own learning interests and critical thinking—to establish a learner-centered environment in the classroom. In particular, teaching a wide range of courses during my professional career at the Stamford University of Bangladesh has made me aware of the needs and interests of different students. As a result, I prepare lesson plans always considering the interconnection between the student's own knowledge, culture and learning abilities, the subject matter discussed in class. I choose content and activities that are both significant and challenging for the students so that they are stimulated to think "beyond" their comfort zone and feel involved in their own learning process. Collaborative learning is also central to my teaching philosophy in order to promote reflective thinking and improve the students' communicative and trans-cultural skills. My commitment and approach to teaching have been rewarded with the highest teaching evaluations an instructor can receive: in an institution particularly dedicated to outstanding teaching.

I have an excellent grasp of the subject material covered by IT, computer science and engineering courses such as those offered through the Shahjalal University of Science and Technology, Bangladesh, Halmstad University, Sweden and Aalborg University, Denmark. My teaching experience includes instruction in Digital Logic Design, Discrete Mathematics, Digital Signal Processing, Discrete Mathematics courses. As a lecturer, I design all course syllabuses, select textbooks and write lectures and tests over the material.

In lecturer position I have held, I have been a popular instructor. My courses always fill up quickly as students enjoy my teaching style. I try to deliver the information in a fun and interesting manner to aid students' grasp on the material and to hold their interest.

I am a non-EU citizen but I have the valid work permit till October, 2018 and it will be extended for three years as I will apply in July, 2018. I will provide the extended valid work permit decision upon request when I have it. I will prioritize my wishes as the following: Computersystemer (CompSys), Logic in Computer Science (LICS), KOMIT Grundlæggende datalogi and Big Data Systems (BDS).

I am very excited about the opportunity of joining University of Copenhagen. In this connection I am enclosing my curriculum vitae, cover letter and a sample of scholarly work. I will gladly provide any other supporting materials upon request. Thank you for your consideration. I look forward to hearing from you soon and would love to fill the available assistant lecturer position for the upcoming school year.

Sincerely,

Md. Ansarul Haque

## HÖGSKOLAN I HALMSTAD

Bilaga till examsbevis avseende teknologie  
masterexamen med huvudområdet dator teknik  
*Appendix to Degree of Master of Science (120 credits) with  
a major in Computer Science and Engineering*

Namn  
*Name*

Ansarul Haque

Personnummer  
*National Registration Number*

840101-5337

har med godkänt resultat genomgått följande kurser och uppfyller därmed fordringarna för teknologie masterexamen.

*has successfully completed the following courses. The requirements for Degree of Master of Science (120 credits) have thus been met.*

Huvudområde:  
*Main field:*  
Inriktning:  
*Specialisation:*

**DataTeknik**  
*Computer Science and Engineering*  
**Informationsteknologi**  
*Information Technology*

Kurs <i>Course</i>	Högskolepoäng <i>Credits</i>	Betyg <i>Grade</i>	Datum <i>Date</i>
Flervariabelanalys <i>Multi-Variable Calculus</i>	7.5	4	2009-10-30
Bildanalys <i>Image Analysis</i>	7.5	4	2009-12-16
Optik för avbildande system <i>Optics, Vision and Cameras</i>	7.5	3	2010-01-14
Moderna kommunikationssystem och nätverk <i>Modern Communication Systems and Networks</i>	7.5	3	2010-03-20
Trådlösa kommunikationssystem <i>Wireless Communication Systems</i>	7.5	3	2010-04-07
Signalanalys och signalrepresentation <i>Signal Analysis and Representation</i>	7.5	5	2010-08-16
Distribuerade realtidssystem <i>Distributed Real-Time Systems</i>	7.5	3	2010-09-30
Nätverk för realtidssystem <i>Real-Time Networking</i>	7.5	3	2011-04-20
Examensarbete <i>Thesis</i>	30	3	2013-08-26

Enligt beslut den 18 oktober 2013 får Ansarul Haque i sin examen tillgodoräkna studier vid Aalborg universitet, Danmark, som motsvarande 30 högskolepoäng. Se särskilt betygsdokument.

*According to decision 18 October 2013, Ansarul Haque may include in his degree courses equivalent to 30 credits, transferred from Aalborg Universitet, Denmark. See original documents.*

Kurs <i>Course</i>	Högskolepoäng <i>Credits</i>
Fuzzy Logic Information Technology	24
Fuzzy Logic	3
Control Theory	3

Examensarbetets titel: Technology Survey of Wireless Communication for In-vehicle Applications  
*Title of degree project: Technology Survey of Wireless Communication for In-vehicle Applications*

## HÖGSKOLAN I HALMSTAD

Bilaga till examensbevis avseende teknologie  
masterexamen med huvudområdet data teknik  
*Appendix to Degree of Master of Science (120 credits) with  
a major in Computer Science and Engineering*

Namn

Name

Ansarul Haque

Personnummer

National Registration Number

840101-5337

### Särskilda upplysningar

*Additional Information*

För masterexamen enligt högskoleförordningen (SFS 1993:100) fordras att den studerande skall ha fullgjort kursfordringar som omfattar 120 högskolepoäng varav minst 60 högskolepoäng med fördjupning inom huvudområdet för utbildningen. Ett självständigt arbete (examensarbete) omfattande minst 30 högskolepoäng, eller två om vardera minst 15 högskolepoäng, inom huvudområdet skall ha fullgjorts.  
*In accordance with the Higher Education Ordinance (SFS 1993:100) a Master's degree (120 credits) requires that the student has completed course requirements comprising 120 credits including at least 60 credits with in-depth studies in the main field of study. An independent project (degree project) of at least 30 credits, or two of at least 15 credits each, in the main field of study must be completed.*

Utbildningens omfattning anges av poängtalet, varvid 30 högskolepoäng motsvarar en termins helårssstudier. En högskolepoäng motsvarar 1 ECTS poäng.

*The length of the courses is indicated by the number of credits awarded for each, where 30 credits correspond to 4.5 months (one term) of full-time study. In the European Credit Transfer System (ECTS) one Swedish credit corresponds to 1.0 ECTS credit.*

För genomgången godkänd kurs ges något av betygen 3, 4 eller 5 (högsta betyg).

*There are three different grades: 3, 4 and 5. Of these 5 is the highest.*

På rektors vägnar

*On behalf of the Vice-Chancellor*

Halmstad den 18 oktober 2013

*Halmstad 18 October 2013*



Stefan Hallstedt



**Controller of Examinations**  
Shah Jalal University of Science  
& Technology, Post. Sylhet - 3114,  
District : Sylhet, Bangladesh.

Phone: 0821-713491/714479/713850/717850 Fax : 880-821-715257

**TRANSCRIPT OF ACADEMIC RECORDS.**

1. Name of the student : **MD. ANSARUL HAQUE**
2. Name & address of the institution : Shah Jalal University of Science & Technology  
P.O : University, Sylhet, Bangladesh.
3. Registration & Exam Roll No. : **B.Sc. (Engg.)... 2001331001**
4. Period attended : **B.Sc. (Engg.).2001.....to....2005**
5. Degree awarded : **B.Sc (Engg.) in Computer Science and Engineering**
6. Year of Examinations :
- (a) Scheduled : **B.Sc. (Engg.).....2005**
- (b) Held on : **B.Sc. (Engg.).....2007**
7. Grading system : 

Numerical Grade	Letter Grade	Grade Point
80% or above	A+	4.00
75% to Less than 80%	A	3.75
70% to Less than 75%	A-	3.50
65% to Less than 70%	B+	3.25
60% to Less than 65%	B	3.00
55% to Less than 60%	B-	2.75
50% to Less than 55%	C+	2.50
45% to Less than 50%	C	2.25
40% to Less than 45%	C-	2.00
Less than 40%	F	0.00
8. Credits Completed : **160.00**
9. Grade Point obtained : **3.40**
10. Letter Grade obtained : **B+**
11. Total Number of Students appeared : **62**
12. Total Number of Degree awarded this year in applicant's academic field : **B.Sc (Engg.) A+ = Nil, A = 12, A- = 27, B+ = 17, B = 06, B- = Nil, C+ = Nil, C = Nil, C- = Nil**

The results of the student mentioned above are compiled considering aggregated of four years for B.Sc (Engg.) examination. Additional sheets containing the subjects studied, courses number and grade obtained in each course are enclosed.

Prepared by : A. Shahid

Compared by : *M. S. M. S. M. S.*

*[Signature]*  
Deputy Controller of Examinations.



**SHAH JALAL UNIVERSITY OF SCIENCE & TECHNOLOGY, SYLHET, BANGLADESH**

**Grade Certificate**

B.Sc.(Engg.) Examination

Session: 2001-02

**Department of Computer Science and Engineering**

Numerical Grade	Letter Grade	Grade Point
80% or above	A+	4.00
75% to less than 80%	A	3.75
70% to less than 75%	A-	3.50
65% to less than 70%	B+	3.25
60% to less than 65%	B	3.00
55% to less than 60%	B-	2.75
50% to less than 55%	C+	2.50
45% to less than 50%	C	2.25
40% to less than 45%	C-	2.00
Less than 40%	F	0.00

Name of Student : **MD. ANSARUL HAQUE**

Registration No. : **2001331001**

**1st Semester Examination**

**Held in: September 2002**

Course No.	Course Title	Credit	Grade Obtained	
			Grade Point	Letter Grade
CSE131	Introduction To Computer Science	2.00	2.75	B-
CSE135	Structured Programming Language	2.00	2.75	B-
CSE136	Structured Programming Language Lab.	3.00	3.50	A-
CSE141	Discrete Mathematics	2.00	3.50	A-
ENG101	English Language I	2.00	3.00	B
ENG102L	English Language I Lab.	1.00	2.50	C+
IPE108	Workshop Practice & Engineering Graphics	1.50	3.00	B
MAT102D	Matrices, Vector Analysis & Geometry	4.00	2.75	B-
PHY103E	Mechanics, Wave, Heat and Thermodynamics	3.00	4.00	A+
<b>This Semester Total:</b>		20.50	GPA: 3.15	B
<b>Cumulative:</b>		20.50	GPA: 3.15	B

**2nd Semester Examination**

**Held in: July 2003**

Course No.	Course Title	Credit	Grade Obtained	
			Grade Point	Letter Grade
BNG101	Bengali Language	3.00	3.00	B
CSE100	Project Work	1.00	3.75	A
CSE125	Electric Circuit Analysis	3.00	0.00	F
CSE126	Electric Circuit Analysis Lab	2.00	2.25	C
CSE137	Data Structure	3.00	2.50	C+
CSE138	Data Structure Lab	2.00	0.00	F
MAT103D	Calculus & Differential Equations	4.00	2.50	C+
PHY207E	Electromagnetism, Optics & Modern Physics	3.00	3.50	A-
<b>This Semester Total:</b>		16.00	GPA: 2.83	B-
<b>Cumulative:</b>		36.50	GPA: 3.01	B

Printed on: 05/01/2009

Prepared by:

Compared by:

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Deputy Controller of Examinations



**SHAH JALAL UNIVERSITY OF SCIENCE & TECHNOLOGY, SYLHET, BANGLADESH**

**Grade Certificate**

B.Sc.(Engg.) Examination

Session: 2001-02

**Department of Computer Science and Engineering**

Numerical Grade	Letter Grade	Grade Point
80% or above	A+	4.00
75% to less than 80%	A	3.75
70% to less than 75%	A-	3.50
65% to less than 70%	B+	3.25
60% to less than 65%	B	3.00
55% to less than 60%	B-	2.75
50% to less than 55%	C+	2.50
45% to less than 50%	C	2.25
40% to less than 45%	C-	2.00
Less than 40%	F	0.00

Name of Student : **MD. ANSARUL HAQUE**

Registration No. : **2001331001**

**3rd Semester Examination**

**Held in: May 2004**

Course No.	Course Title	Credit	Grade Obtained	
			Grade Point	Letter Grade
BAN343	Management Accounting	3.00	3.75	A
CSE227	Semiconductor Devices & Circuits	4.00	0.00	F
CSE228	Semiconductor Devices & Circuits Lab	2.00	3.50	A-
CSE233	Object Oriented Programming Language	3.00	3.00	B
CSE234	Object Oriented Programming Language Lab	3.00	3.25	B+
PHY222B	Basic Physics Lab	1.50	3.50	A-
STA202	Basic Statistics & Probability	4.00	3.50	A-
<b>This Semester Total:</b>		16.50	GPA: 3.41	B+
<b>Cumulative:</b>		53.00	GPA: 3.13	B

**4th Semester Examination**

**Held in: December 2004**

Course No.	Course Title	Credit	Grade Obtained	
			Grade Point	Letter Grade
CSE125	Electric Circuit Analysis	3.00	2.75	B-
CSE138	Data Structure Lab	2.00	3.25	B+
CSE200	Project Work	1.00	3.50	A-
CSE221	Digital Logic Design	3.00	4.00	A+
CSE222	Digital Logic Design Lab	2.00	3.00	B
CSE237	Algorithm Design & Analysis	3.00	3.50	A-
CSE238	Algorithm Design & Analysis Lab	1.50	4.00	A+
CSE239	Numerical Analysis	2.00	4.00	A+
CSE240	Numerical Analysis Lab	1.00	2.75	B-
ECO103	Principles of Economics	3.00	3.25	B+
MAT204D	Complex Variable, Laplace Transformation & Fourier Series	4.00	0.00	F
<b>This Semester Total:</b>		21.50	GPA: 3.41	B+
<b>Cumulative:</b>		74.50	GPA: 3.21	B

Printed on: 05/01/2009

Prepared by:

Compared by:

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Deputy Controller of Examinations



**SHAH JALAL UNIVERSITY OF SCIENCE & TECHNOLOGY, SYLHET, BANGLADESH**

**Grade Certificate**

B.Sc.(Engg.) Examination

Session: 2001-02

**Department of Computer Science and Engineering**

Numerical Grade	Letter Grade	Grade Point
80% or above	A+	4.00
75% to less than 80%	A	3.75
70% to less than 75%	A-	3.50
65% to less than 70%	B+	3.25
60% to less than 65%	B	3.00
55% to less than 60%	B-	2.75
50% to less than 55%	C+	2.50
45% to less than 50%	C	2.25
40% to less than 45%	C-	2.00
Less than 40%	F	0.00

Name of Student : **MD. ANSARUL HAQUE**

Registration No. : **2001331001**

**5th Semester Examination**

**Held in: May 2005**

Course No.	Course Title	Credit	Grade Obtained	
			Grade Point	Letter Grade
CSE227	Semiconductor Devices & Circuits	4.00	3.50	A-
CSE300	Project Work	1.00	0.00	F
CSE323	Electronic Communication	2.00	3.50	A-
CSE325	Microprocessor & Assembly Language	3.00	4.00	A+
CSE326	Microprocessor & Assembly Language Lab	1.50	3.75	A
CSE331	Software Engineering	3.00	3.75	A
CSE332	Software Engineering Lab	1.50	3.50	A-
CSE333	Database System	3.00	2.50	C+
CSE334	Database System Lab	3.00	3.50	A-
CSE339	Theory of Computation	2.00	3.25	B+
<b>This Semester Total:</b>		23.00	GPA: 3.46	B+
<b>Cumulative:</b>		97.50	GPA: 3.27	B+

**6th Semester Examination**

**Held in: December 2005**

Course No.	Course Title	Credit	Grade Obtained	
			Grade Point	Letter Grade
CSE327	Data Communication	3.00	3.25	B+
CSE328	Data Communication Lab	1.50	3.50	A-
CSE329	Computer Architecture	3.00	4.00	A+
CSE335	Operating System	3.00	4.00	A+
CSE336	Operating System Lab	1.50	3.25	B+
CSE350	Project Work	1.00	3.50	A-
CSE351	Management Information System	3.00	4.00	A+
IPE301	Industrial & Business Management	3.00	2.75	B-
MAT204D	Complex Variable, Laplace Transformation & Fourier Series	4.00	3.25	B+
<b>This Semester Total:</b>		23.00	GPA: 3.51	A-
<b>Cumulative:</b>		120.50	GPA: 3.32	B+

Printed on: 05/01/2009

Prepared by:

Compared by:

Page 3 of 4

  
**Deputy Controller of Examinations**





SHAH JALAL UNIVERSITY OF SCIENCE & TECHNOLOGY, SYLHET, BANGLADESH

Grade Certificate

B.Sc.(Engg.) Examination

Session: 2001-02

Department of Computer Science and Engineering

Numerical Grade	Letter Grade	Grade Point
80% or above	A+	4.00
75% to less than 80%	A	3.75
70% to less than 75%	A-	3.50
65% to less than 70%	B+	3.25
60% to less than 65%	B	3.00
55% to less than 60%	B-	2.75
50% to less than 55%	C+	2.50
45% to less than 50%	C	2.25
40% to less than 45%	C-	2.00
Less than 40%	F	0.00

Name of Student :MD. ANSARUL HAQUE

Registration No. :2001331001

7th Semester Examination

Held in: July 2006

Course No.	Course Title	Credit	Grade Obtained	
			Grade Point	Letter Grade
CSE300	Project Work	1.00	3.25	B+
CSE400	Thesis	2.00	3.75	A
CSE421	Computer Interfacing	2.00	3.50	A-
CSE422	Computer Interfacing Lab	1.00	3.75	A
CSE425	Digital Signal Processing	3.00	4.00	A+
CSE426	Digital Signal Processing Lab	1.50	3.75	A
CSE431	Computer Networking	3.00	3.50	A-
CSE432	Computer Networking Lab	2.00	3.75	A
CSE439	Compiler Construction	3.00	4.00	A+
CSE440	Compiler Construction Lab	1.50	3.25	B+
		This Semester Total:	20.00	GPA: 3.70
		Cumulative:	140.50	GPA: 3.37
				B+

8th Semester Examination

Held in: March 2007

Course No.	Course Title	Credit	Grade Obtained	
			Grade Point	Letter Grade
CSE402	Thesis	3.00	3.50	A-
CSE427	Fiber Optics	3.00	3.25	B+
CSE428	Fiber Optics Lab	1.50	3.25	B+
CSE433	Artificial Intelligence	3.00	4.00	A+
CSE434	Artificial Intelligence Lab	1.50	3.75	A
CSE451	Computer Graphics	3.00	3.75	A
CSE452	Computer Graphics Programming Lab	1.50	3.50	A-
CSE453	Internet Programming & Multimedia Basics	2.00	4.00	A+
CSE454	Internet Programming & Multimedia Lab	1.00	3.25	B+
		This Semester Total:	19.50	GPA: 3.62
		Cumulative:	160.00	GPA: 3.40
				B+

Cumulative	Credits	CGPA	Letter Grade
Final Result	160.00	3.40	B+

Printed on: 05/01/2009

Prepared by:

Compared by:  
*M. Rezaul Haque*

Page 4 of 4

Deputy Controller of Examinations

## Mohammed Ramadan (Candidate ID 2151396)



Kønnummer	<b>2</b>
Fornavn	<b>Mohammed</b>
Efternavn	<b>Ramadan</b>
Adresse	<b>University of Electronic Science and Technology of China (UESTC), Shahe Campus. No. 4, Section 2, North Jianshe Road</b>
Postboks	<b>610054 Chengdu</b>
Land	<b>Kina</b>
Statsborgerskab	<b>Sudan</b>
Køn	<b>Mand</b>
Fødselsdato	<b>03-11-1983</b>
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## *Mohammed Ramadan Mohammed Abdalla*

### *PhD (Information Security)*

#### **Personal Information**

I was born on November 3, 1983. I am currently working as a post-doctoral fellow and research assistant at School of Information and Software Engineering, University of Electronic Science and Technology of China (UESTC), Chengdu, Sichuan, P.R. China. Also, I am working as assistant professor at College of Electronic Engineering, Chengdu University of Information Technology (CUIT), Chengdu, Sichuan, P.R. China. I received my PhD degree from UESTC in 2016. My research interests include Information Security, Public Key Cryptography, Wireless Security, and Mobile Security.



#### **Contact Details**

- Current address:

University of Electronic Science and Technology of China (UESTC), Shahe Campus.  
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- Permanent address:

Abu-Adam, Block no. 12, Home no. 372, Khartoum South, Khartoum, Sudan.  
Tel: +249-922212007, +249-124748793

#### **Objective**

To engage in a challenging and dynamic working environment with a high quality engineering company where my skills, knowledge, and experience can be utilized. I am self-motivated, ambitious, and eager to learn. I am a responsible individual with strong communication skills and work ethics, besides being creative, focused, and highly determined. I am able to work well independently as well as collaboratively. I am growth-driven and able to work confidently under pressure. Being multilingual gives me the ability to function efficiently in English, Arabic, and Chinese. My personal background, learning, and training have given me a unique insight into the cultural differences at work, together with a wide range experience in the field of engineering.

## Education

- September 2013-December 2016: PhD in Information Security, School of Computer Science and Engineering, University of Electronic Science and Technology of China (UESTC), Chengdu, Sichuan, P.R. China.  
Dissertation: “Mobile Communication Security Based on Public Key Cryptosystem”  
Advisor: Prof. Chunxiang Xu, PhD.  
Assistant advisor: Prof. Fagen Li, PhD.
- September 2011-July 2013: MSc in Information Security, School of Computer Science and Engineering, University of Electronic Science and Technology of China (UESTC), Chengdu, Sichuan, P.R. China.  
Thesis: “Design and Implementation of a New Approach to Authentication over GSM System Using CL-PKC”  
Advisor: Prof. Fagen Li, PhD.
- September 2002-July 2007: BSc in Communications Engineering, Department of Electrical and Computer Engineering, Karary University, Khartoum, Sudan.  
Research project: “Antenna Design”  
Advisor: Prof. Saad Osman Bashir, PhD.

## Work Experience

- March 2017-Present: School of Information and Software Engineering, University of Electronic Science and Technology of China (UESTC), Chengdu, Sichuan, P.R. China.
  - Position: Postdoctoral research fellow, under the guidance of Prof. Zhou Shijie, PhD and Assoc. Prof. YongJian Liao, PhD.
  - Responsibilities: Research assistant.
- September 2015-Present: College of Electronic Engineering, Chengdu University of Information Technology (CUIT), Chengdu, Sichuan, P.R. China.
  - Position: Assistant professor.
  - Responsibilities: Teaching and research.
- August 2007-July 2011: Sudan Technical Center, Khartoum, Sudan.
  - Decoder, HF, VHF systems. Position: Maintenance and operation engineer.
  - TETRA system. Position: Installation and operation engineer.
  - WAN project, SDH and WIMAX networking. Position: Research engineer.

## Publications

1. Mohammed Ramadan, Guohong Du, Fagen Li, Chunxiang Xu. A Survey of Public Key Infrastructure-Based Security for Mobile Communication Systems. MDPI: Symmetry 2016, Vol.8, No.9, PP. 85-102. 2016.
2. Mohammed Ramadan, Fagen Li, Chunxiang Xu, Abdeldime Mohamed, Hisham Abdalla, Ahmed Abdalla. User-to-user mutual authentication and key agreement scheme for LTE cellular system. International Journal of Network Security. Vol.18, No.4, PP. 769-781. 2016.
3. Mohammed Ramadan, Guohong Du, Fagen Li, Chun Xiang Xu. EEE-GSM: End-to-End Encryption Scheme over GSM System. International Journal of Security and Its Applications. Vol.10, No.6, PP. 229-240. 2016.
4. Mohammed Ramadan, Fagen Li, Chunxiang Xu, Ahmed Abdalla, Hisham Abdalla. An efficient end-to-end mutual authentication scheme for 2G-GSM system. In Proceedings of the 2016 IEEE International Conference on Big Data Analysis ICBDA2016, Hangzhou, China, 12-14 March, PP. 1-6. 2016.
5. Mohammed Ramadan, Fagen Li, Chunxiang Xu, Kwame Oteng, Hesham Ibrahim. Authentication and key agreement scheme for CDMA cellular system. In Proceedings of the 2015 IEEE International Conference on Communication Software and Networks ICCSN2015, Chengdu, China, PP. 118-124, 6-7 June, 2015.
6. Mohammed Ramadan, Fagen Li, Chun Xiang Xu, Abubaker Wahaballa. End-to-End Encryption for GSM Cellular Standard Using CL-PKC. In Proceedings of the International Conference on Computer Networks and Information Security CNIS2015, Changsha, China, 10-11 January, 2015.
7. Mohammed Ramadan, Liao Yongjian, Shijie Zhou. IBEET-RSA: Identity-Based Encryption with Equality Test over RSA for Wireless Body Area Networks. Under review. Springer: Mobile Networks and Applications. 2018.
8. Co-Author. Insecurity of A Key-policy Attribute Based Encryption Scheme with Equality Test. IEEE Access, Vol. 6, PP. 10189-10196. February 2018.
9. Co-Author. Cryptanalysis of Public Key Encryption Schemes with Equality Test. Under review. IEEE Access. 2018.
10. Co-Author. Analysis of an identity based encryption scheme with equality test. Under review. ELSEVIER: Applied Mathematics and Computation. 2017.
11. Co-Author. Design and implementation of a new approach to authentication over a GSM system using CL-PKC. Springer, Journal of Wireless Personal Communications. Vol.79, No.1, PP. 661-686. November 2014.
12. Co-Author. A taxonomy of secure electronic english-auction protocols. International Journal of Computers and Applications. Vol.37. No.1. PP. 28-36. 2015.
13. Co-Author. Multiple layered securities using steganography and cryptography. International Journal of Computers and Applications. Vol.36, No.3. PP. 93-100. Jul 2015.

14. Co-Author. Integrating the functional encryption and proxy re-cryptography to secure DRM scheme. International Journal of Network Security. Vol.19, No.1, PP. 27-38, Jan 2017.
15. Co-Author. Efficient functional encryption and proxy re-cryptography for secure public cloud data sharing. In Proceedings of the 2016 IEEE International Conference of Online Analysis and Computing Science. ICOACS2016, Chongqing, China, 28-29 May, 2016.
16. Co-Author. Digital rights management-current status and future trends. In Proceedings of the 2016 2<sup>nd</sup> Information Technology and Mechatronics Engineering Conference ITOEC2016, Chongqing, China, 21-22 May, 2016.
17. Co-Author. An efficient and secure certificateless public key watermarking scheme based on SVD-DWT. In Proceedings of the 2016 IEEE International Conference on Cloud Computing and Big Data Analysis. ICCCBDA2016, Chengdu, China, 5-7 July, 2016.
18. Co-Author. Simple and efficient algorithm for automatic modulation recognition for analogue & digital signals. Journal of Wireless Personal Communications, Springer. PP. 345-357. 24 October 2013.
19. Co-Author. An improved radar ECCM method based on orthogonal pulse block and parallel matching filter. Journal of Communications. Vol.10, No.8, August 2015.
20. Co-Author. A study of a various acoustic beamforming techniques using a microphone array. Journal of Communications Technology, Electronics and Computer Science. Vol.1, No.1, 2015.
21. Co-Author. Sources localization via multi-dimensional scaling based on subspace method. In Proceedings of the 2016 IEEE Information Technology, Networking, Electronic and Automation Control Conference ITNEC2016, Chongqing, China, 20-22 May, 2016.

### **Research Currently-working**

1. End-to-end Identity based Signcryption Scheme for Wireless Networks.
2. Privacy Preserving and User Anonymity Scheme for Mobile Communication Systems.
3. All-in-One Security Model Design for Mobile Communication Systems.

### **Courses Taught**

- Introduction to Information Security.
- Public Key Cryptography.
- Introduction to Information Technology and Engineering.
- Telecommunications Principles.
- Wireless Communications.
- Mobile Communication and its Security.
- Spread Spectrum Systems.
- Satellite Communications.

- Very Small Aperture Terminal (VSAT).
- Worldwide Interoperability for Microwave Access (WIMAX).
- Antenna and Waves Propagation.
- Fiber Optics Communications.
- Synchronous Digital Hierarchy (SDH).

### **Qualifications & Short Courses**

- Mobile Communications (2G, 3G).
- Worldwide Interoperability for Microwave Access (WIMAX).
- Very Small Aperture Terminal (VSAT).
- Synchronous Digital Hierarchy (SDH).
- Cisco Certified Network Administration (CCNA).
- Certified Ethical Hacker (CEH).
- Computer Networking.
- Closed Circuit Television (CCTV).
- Digital Circuits, and Antenna Design.
- Data Communications.

### **Skills**

- Excellent interpersonal, leadership, and communication skills.
- Strong ability to work collaboratively, to inspire others, and to lead by example.
- Flexibility to work shifts according to business needs.
- Good knowledge and hands-on experience in computer maintenance and networking.
- Technically competent with in-depth knowledge in MATLAB, simulation systems, and MS Office.
- Good coordination command, synchronization, and organizational skills.
- Strategic, self-regulated learner, and good analytical and research skills.

### **Languages**

- Arabic: Primary language.
- English: Working proficiency.
- Chinese: Elementary proficiency.

## Awards & Additional Information

- I received an excellent foreign teacher award in 2017 from College of Electronic Engineering, Chengdu University of Information Technology (CUIT), Chengdu, Sichuan, P.R. China.
- I received an academic achievement award (first class) during my PhD in 2016 from University of Electronic Science and Technology of China (UESTC), Chengdu, Sichuan, P.R. China.
- I received an academic achievement award (first class) during my MSc in 2013 from University of Electronic Science and Technology of China (UESTC), Chengdu, Sichuan, P.R. China.
- I received an academic achievement award (first class) during my BSc in 2006 from Karary University, Khartoum, Sudan.
- I have been appointed as editorial board member of the American Journal of Computer Science and Technology (Science Publishing Group), New York, USA.
- I have been appointed as organizing committee member (TPC) of the First International Virtual Conference on Multidisciplinary Research 2018, Walnut, USA.
- I have been appointed as keynote speaker for the International Conference on Forensic Research & Technology, 2018, Melbourne, Australia.
- I reviewed numerous papers for top-tier journals and conferences, including the International Journal of Network Security (IJNS), the Advances in Science, Technology and Engineering Systems Journal (ASTESJ), and IEEE Sudan-subsection conferences.
- I delivered several invited talks and seminars at different schools and universities, both in China and Sudan, on the following topics: Wireless Communication Principles, Introduction to Information Security, Mobile Communication Security, Teaching and Publication Skills.

## References

- Prof. Fagen Li, PhD  
Professor at School of Computer Science and Engineering, University of Electronic Science and Technology of China (UESTC), Chengdu, Sichuan, P.R. China.  
E-mail: [fagenli@uestc.edu.cn](mailto:fagenli@uestc.edu.cn)  
Tel: +86-13568863470
- Assoc. Prof. YongJian Liao, PhD  
Professor at School of Information and Software Engineering, University of Electronic Science and Technology of China (UESTC), Chengdu, Sichuan, P.R. China.  
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- Prof. Zhou Shijie, PhD  
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- Assoc. Prof. Guohong Du, PhD  
Assistant Dean of College of Electronic Engineering, Chengdu University of Information Technology (CUIT), Chengdu, Sichuan, P.R. China.  
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- Prof. Chunxiang Xu, PhD  
Professor at School of Computer Science and Engineering, University of Electronic Science and Technology of China (UESTC), Chengdu, Sichuan, P.R. China.  
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- Prof. Saad Osman Bashir, PhD  
Professor at Electrical and Computer Department, International Islamic University, Kuala Lumpur, Malaysia.  
E-mail: [soba47@yahoo.com](mailto:soba47@yahoo.com)  
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- Assoc. Prof. Abdeldime Mohamed Salih, PhD  
Professor at College of Electrical and Computer Engineering Department, Karary University, Khartoum, Sudan.  
E-mail: [abdeldime@hotmail.com](mailto:abdeldime@hotmail.com)  
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Last update: 25/04/2018

Dear HR,

I am writing this cover letter to look at the possibility of placement as teaching/research staff, at your reputed university. I have completed my graduation from University of Electronic Science and Technology of China with a PhD degree in Information Security. Presently, I am working as a post-doctoral fellow and research assistant at (UESTC), Chengdu, Sichuan, P.R. China, where I have much more knowledge in the area of public key cryptography, mobile communication security, and wireless security. Also, I am working as assistant professor at (CUIT), Chengdu, Sichuan, P.R. China. I believe that I have well educational qualifications to contribute excellence to your corporation that is related to my interests.

Apart from having strong foundation in my subject, I am a dedicated and conscientious engineer who pays attention to detail and finds a way to get the job done. I am a quick learner with a flexible attitude, and able to communicate and work well with others. I am a very creative, enthusiastic, and motivated individual, with lots of ideas.

I have excellent references and would be delighted to discuss any possible opportunities with you at your convenience. Should this application meet with your favorable consideration, I would like to have further conversation over how my experience and education would be consistent with your requirements.

I am enclosing my resume with this cover letter that offers additional information about my technical skills and graduate work.

Yours Sincerely,

M. Ramadan

University of Electronic Science and Technology of China (UESTC)

School of Information and Software Engineering, Shahe Campus

No. 4, Sec. 2, North Jianshe Rd, Chengdu, Sichuan, P. R. China 610054

Tel: +86-18349231380

E-mail: [nopatia@gmail.com](mailto:nopatia@gmail.com)

[zomrawi-dn@hotmail.com](mailto:zomrawi-dn@hotmail.com)

# *Graduation Certificate* **For Doctoral Degree**

This is to certify that Mr. /Ms. Mohammed Ramadan Mohammed Abdalla, a student of  
Sudan nationality, born on 1983 / 11 / 03, who studied under the  
doctoral program of Computer Science and Technology  
from 01 / 09 / 2013 to 20 / 12 / 2016, has completed all formal and academic  
requirements for the above designated doctoral program with good grades and, with a  
qualified graduation thesis defense, has been granted graduation.

This certificate is issued by: UNIVERSITY OF ELECTRONIC SCIENCE AND  
TECHNOLOGY OF CHINA

Signature: President/Dean/Director Li Yanrong

Certificate No. 106149201601000018 Issue date: 20 / 12 / 2016

## Muhammad Marwan Muhammad Fuad (Candidate ID 2119504)



Kønnummer **10**  
Fornavn **Muhammad Marwan**  
Efternavn **Muhammad Fuad**  
Adresse **Aarhus University Hospital, MOMA/Dept. of  
Molecular Medicine, Palle Juul-Jensens  
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Postboks **8200 Aarhus**  
Land **Danmark**  
Statsborgerskab **Syrien**  
Køn **Mand**  
Fødselsdato **25-06-1965**  
E-mailadresse **marwan.fuad@biosustain.dtu.dk**  
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---

## **CV**

Name : Muhammad Marwan  
Family Name :Muhammad Fuad  
Marital Status : Single/ No children  
D.O.B June 25,1965  
Nationality: Syrian

### Address

M. Marwan M. Fuad - Postdoctoral Fellow  
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MOMA/Dept. of Molecular Medicine  
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[marwan.fuad@biosustain.dtu.dk](mailto:marwan.fuad@biosustain.dtu.dk)

### **Education**

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- 04/2016-> : Postdoctoral fellow at Aarhus University
- 03/2013->03/2016: Postdoctoral fellow at Tromsø University
- 12/2011->11/2012: ERCIM post doctoral fellow at the Norwegian University of Science and Technology
- 2005-2011: PhD in Information Technology from the University of Bretagne-Sud.  
Thesis “Similarity Search in High-dimensional Spaces with Applications to Time Series Data Mining and Information Retrieval”. Grade: Très Honorable (very honorable). (Part-time PhD).
- 2008-2011 (2015): Postgraduate studies in facial surgery/oral surgery (D.U.). Faculty of Medicine, Université de Lorraine. I finished my forth and last year in 2011, but I didn’t take (and pass) the final exams until 2014. I presented my mémoire (thesis) and graduated in 2015. The mémoire is entitled “Robotic Surgery of the Head and Neck (in French)
- 2010-2011 (2015): C.E.S (1-year postgraduate studies) in maxillofacial prosthetics. Faculty of Dentistry, Université de Nantes. I took and passed the graduation written and oral exams in June/July 2015.

- 2008-2009: CELTA (Certificate in English Language Teaching to Adults). Cambridge University
- 1997-2001: Magistère degree (a 3-year degree research degree) in applied mathematics- Faculty of science –Aleppo University. Thesis “Modifying Akima Procedure of Bivariate Interpolation for Irregularly Distributed Data Points”. Grade: Honorable
- 1995-1996: Higher Studies Diploma (1-year degree) in applied mathematics- Faculty of science –Aleppo University. Ranking: First
- 1994-1999: Doctor of dental science - Faculty of dentistry –Aleppo University. Ranking: Seventh
- 1988-1992: Bachelor's degree (4-year degree) in mathematics. Ranking: Fifth.

**Other Qualifications:**

-----  
\*Qualified by the French Ministry of Higher Education and Research for the position of associated professor on Section- 27 (informatics) and on Section-65 (cellular biology)

**Professional Experience**

- 2016->: Aarhus University
- 2013- 2016: Tromsø University
- 2011-2012: Norwegian University of Science and Technology
- 2010-2011: Lecturer at the University of Nantes
- 2009-2010: Lecturer at l'Ecole des Mines de Nantes (engineering school)
- 1995-2004: Teaching Assistant at Aleppo University.
- 1999-2004: Dentist (in a dental office)

**Teaching Subjects**

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Optimization, data mining, information retrieval, knowledge management, bioinformatics, machine learning, operations research, web development, algorithms, information systems, object oriented programming, numerical analysis, mathematical programming, logic algebra, MATLAB, English and others.

I taught students of level L1 through M2

## Diverse Research Activites

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1- A member of the program committee of the following conferences:

- The 11th Australasian Data Mining Conference
- The 18th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems
- The 18th International Database Engineering & Applications Symposium
- The 4th International Conference on Pattern Recognition Applications and Methods
- The 4th International Conference on Operations Research and Enterprise Systems
- The 12th Australasian Data Mining Conference
- The 13th Pacific Rim International Conference on Artificial Intelligence
- The 17th International Conference on Principles and Practice of Multi-Agent Systems
- The 2014 International Conference on Artificial Intelligence
- The 19th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems
- The 4th IFIP International Conference on Artificial Intelligence in Theory and Practice
- The 5th International Conference on Pattern Recognition Applications and Methods
- The 5th International Conference on Operations Research and Enterprise Systems
- The 8th International Conference on Agents and Artificial Intelligence
- The 13th Australasian Data Mining Conference
- The 14th Pacific Rim International Conference on Artificial Intelligence
- The 13th International Conference on Distributed Computing and Artificial Intelligence
- The 9th International Conference on Agents and Artificial Intelligence
- The 6th International Conference on Pattern Recognition Applications and Methods
- The 6th International Conference on Operations Research and Enterprise Systems

- The 20th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems
- The 14th Australasian Data Mining Conference
- The 21st International Conference on Knowledge-Based and Intelligent Information & Engineering Systems
- The 14th International Conference on Distributed Computing and Artificial Intelligence
- The 15th Australasian Data Mining Conference
- The 22nd International Conference on Knowledge-Based and Intelligent Information & Engineering Systems
- The 15th Pacific Rim International Conference on Artificial Intelligence
- The 10th International Conference on Agents and Artificial Intelligence
- The 7th International Conference on Pattern Recognition Applications and Methods
- The 7th International Conference on Operations Research and Enterprise Systems
- The 15th International Conference on Distributed Computing and Artificial Intelligence
- The 8th International Conference on Operations Research and Enterprise Systems
- The 8th International Conference on Pattern Recognition Applications and Methods
- The 11th International Conference on Agents and Artificial Intelligence
- The 16th Australasian Data Mining Conference

2- Reviewer for the following journals:

- PLOS ONE
- Expert Systems –Wiley
- International Journal of Knowledge-Based and Intelligent Engineering Systems
- Applied Soft Computing

## Awards

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- Marie Curie Fellowship
- Best research paper award at the 9th International KES Conference on Agents and Multi-Agent Systems: Technologies and Applications - KES-AMSTA-15

## Foreign Languages

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- English near-native level (certified English language teacher from Cambridge University/UK)
- French (Diplôme Approfondi de Langue Française).
- German (Zentrale Mittelstufenprüfung)
- Arabic (mother language)
- Norwegian (IB)

\* In France one cannot apply for a position of associated professor/professor at a university unless he/she has been qualified for this position. These qualifications are obtained through a yearly national campaign organized by the French Ministry of Higher Education and Research where the dossiers of all the candidates are examined by committees of experts in each Section who decide if this candidate has done enough research and teaching activities after he/she has obtained their PhD. This is the law in France. (c.f.

<http://www.enseignementsup-recherche.gouv.fr/cid22657/maitres-de-conferences.html>). You can see the list of all qualified people in France here [https://www.galaxie.enseignementsup-recherche.gouv.fr/ensup/pdf/qualification/Resultats\\_2014/qualifies\\_MCF\\_2014.pdf](https://www.galaxie.enseignementsup-recherche.gouv.fr/ensup/pdf/qualification/Resultats_2014/qualifies_MCF_2014.pdf) (my name appears twice; once on page 74 and another on page 140 as I'm qualified in two sections)

**Norwegian University of  
Science and Technology  
NTNU**

**Department of Electronics  
and Telecommunications**



**Faculty of Information Technology, Mathematics and  
Electrical Engineering**

**To whom it may concern**

**Postal address:**  
O. S. Bragstads pl. 2b  
NO-7491 Trondheim  
Norway

**Our date:** 15.11.2012    **Our ref:** HD    **Your date:** \_\_\_\_\_  
**Telephone** +47 73 59 4453  
**Fax** + 47 73 59 14 12

**Reference for Mr. Muhammad Marwan Muhammad Fuad**

Muhammad Marwan Muhammad Fuad started working with our group at the department of Electronics and Telecommunications on December 1, 2011 as an ERCIM postdoctoral fellow until November 30, 2012. His field of research was actually very different from what we do at our department, so he was keen on finding out how he could integrate what he has done before with what we were doing. He has experience in both information technology and applied mathematics so he wanted to benefit from this experience to do research with our group and he found out that optimization is useful for the research we conduct in our laboratory. During his stay with us he has done intensive research on stochastic and bio-inspired optimization (differential evolution, genetic algorithms, genetic programming, evolutionary algorithms, particle swarm optimization, artificial bee colony algorithm, ant colony optimization, simulated annealing, and others) and its applications. His efforts were indeed fruitful as he could work on and publish six papers during his stay at our university. He worked independently so he was actually the sole author of all these papers. The six papers are all ranked Level 1 publications according to the publication system that the universities in Norway use (Current Research Information System in Norway- Cristin). He's also working with me on the applications of optimization on geoacoustic inverse problem, and also with other colleagues in our group on other papers.

As part of his ERCIM fellowship he had to take part in two research training programs in two different institutes (other than ours) and he was very interested in seeing how he could make the best of his scientific stays at those institutes, mainly to contact different researchers and see how he could do research with them.

Muhammad Marwan Muhammad Fuad is serious about becoming a good researcher, and his interest in publishing papers was obvious from our first contact. In fact even as his fellowship was coming to an end he was planning to keep contact with me and other colleagues in our group to continue doing research with them. He always shows great interest in trying new topics of research and also in finding new applications to the things he knows. He also showed interest in supervising master degree students' projects in our department. One particular strong point

he has is his ability to work independently when he has to, yet he can work as effectively as a member of a team.

On the personal level he is helpful and respectful to his colleagues and always willing to discuss any possibility to do research with them. He can also adapt easily to working in different environments and with different people and I do recommend that he be awarded the position you are offering.

Best regards,



Hefeng Dong  
Professor in Acoustics



**Faculty of Science and Technology/  
Department of Chemistry /  
Molecular Biosystems Research Group**  
Your reference.:  
Our reference.:  
Date: 04.09.2013

To Whom It May Concern

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**A Reference Letter for Dr. Muhammad Marwan Muhammad Fuad**

I am Nils Peder Willasson, a professor at the department of chemistry and the director of the center of bioinformatics at the University of Tromsø - The Arctic University of Norway. Our center is a team of molecular biologists and computer scientists whose activities focus on the interface of biotechnology and computer science.

Muhammad Marwan Muhammad Fuad started a 3-year postdoctoral fellowship in bioinformatics in March 2013 as a member of our group. His postdoctoral duties include 75% of doing research and 25% of teaching. His research area is the development of tools for storage, processing, analysis and visualization of genomic and metagenome data with the goal to develop systems for the mining of specific classes of functional genes (such as enzymes and 16s rRNA), and reconstruction of metabolic pathways and regulatory networks (systems biology) and comparative genomics. These include integration of new and existing algorithms and tools, and development of pipeline for storage, processing, analysis and visualization of data. This also comprises integrating new algorithms and analyzing experimental data from new and ongoing genomics and metagenomics projects. He is also very interested in developing his own research projects, which focus on the applications of data mining, machine learning, and bio-inspired optimization in bioinformatics. He has already published two papers since his fellowship started and he is working on others.

His teaching activities at our university include teaching students subjects of his domains of research. The level of the students he teaches is Bachelor's degree and Master's degree.

According to regulations, the main objective of the appointment of a postdoctoral research fellow at a Norwegian University is to qualify the appointee for work in a senior academic position, and Muhammad Marwan Muhammad Fuad is working seriously on becoming a researcher and a university professor.



PO Box 6050 Langnes, NO-9037 Tromsø / +47 77 64 40 00 / postmottak@uit.no / uit.no

Sincerely,



Nils Peder Willassen

Professor

nils-peder.willassen@uit.no  
(+47) 77 64 46 51

Assistant Lecturers at the Department of Computer Science

### **Cover Letter**

Hello,

I would like to tell you about my scientific background; I have a Bachelor's degree in mathematics from the University of Aleppo. It's a 4-year degree in which we study the common subjects that university mathematics students everywhere study. Afterwards, I did a Higher Studies Diploma in applied mathematics at the University of Aleppo. This is a one-year (12 months) degree, which is the equivalent to M2 in the European LMD system. We take advanced courses in mathematical programming, operations research, statistics, and continuous media mechanics . After that I worked for some time on a topic in computer logic but I had to change it because the professor left the country, so I changed the topic and I chose one in numerical analysis. I did a 3-year research degree (which we call "Magistère") in applied mathematics (numerical analysis). This is almost like a PhD in that we have to write a thesis and publish a paper.

After that I went to France and worked for one year as a "potential" PhD student in applied mathematics at the University of Nantes. The PhD was in applied mathematics (numerical analysis + inverse problem), but the problem is that starting that year French universities were no longer allowed to enroll a PhD student without a scholarship, and there was a strict age limitation on scholarships, so I had to move to the Université de Bretagne-Sud which was actually the only university that exceptionally accepted to enroll me without a scholarship. I obtained my PhD in information technology in Feb 2011. The topic of my thesis was data mining/ machine learning. It is actually on the borderline between information technology and applied mathematics, but in France it's considered an information technology major, that's why I was awarded a PhD in information technology.

After I got my PhD I was awarded a one-year Marie Curie (ERCIM) postdoctoral fellowship at the Norwegian University of Science and Technology (NTNU). My research activities focused on the study of Monte Carlo methods- Metropolis sampling-importance sampling-Bayes theorem. Later I extended my research to optimization. During my stay at NTNU I did intensive research on stochastic and bio-inspired optimization (differential evolution, genetic algorithms, genetic programming, particle swarm optimization, artificial bee colony algorithm, ant colony optimization, simulated annealing, bacterial foraging, and others) and its applications in data mining, bioinformatics, machine learning, and sequential data. I published six papers during my fellowship at NTNU (Papers 24- 29 on my publication list). All these publications are Level 1 on Cristin

([https://dbh.nds.uib.no/publiseringsskanaler/Forside.action?request\\_locale=en](https://dbh.nds.uib.no/publiseringsskanaler/Forside.action?request_locale=en)).

This is the official Norwegian system of publishing channels according to which universities in Norway get funds from the state.

I'd like to add that all the papers I published included an experimental section which was coded by me personally, mainly using MATLAB. I also have good experience in C++, C#, Java, Python and FORTRAN. I also took a PhD course in parallel computing (MPI)

During my stay at NTNU I supervised a master degree student in a project on the application of optimization in his domain of study (electronic engineering).

During my postdoctoral fellowship at NTNU I also participated in two research programs. The first was at Charles University in the Czech Republic, and the second was at SICS (a research center <https://www.sics.se/>) in Sweden.

In addition to research and teaching activities, I also participated in the EU FP7 Training Programme which was organized by NTNU-SINTEF in 2012.

I have to explain that according to rules in Norway, no one may be appointed to more than one fixed term period as a postdoctoral research fellow at the same institution, so my contract was inextensible.

In March 2013 I was awarded another three-year postdoctoral fellowship at Tromsø University, which ended at the end of March 2016. Concerning my research activities, they focused on machine learning, bioinformatics, bio-inspired optimization, and data mining. During my second postdoctoral fellowship I published 16 papers (Papers 7 through 10 and papers 12 through 23 on my publication list). All these publications are Level 1 on Cristin.

During my second fellowship at Tromsø University I wanted to have more teaching experience so I went to France and worked for one year (September 2014 – August 2015) as a lecturer at the department of information technology at Angers University in France, all by continuing to conduct my research for Tromsø University (As you can see from my publication list, I was conducting research independently, so there was no real difference). During that year at Angers University I substantially increased my teaching experience as I had around 192 hours of classroom teaching. I taught a variety of subjects for students of levels L1-L3 (first year-> last year). I also supervised three last year students in their industrial projects (they have to spend a few months working in industry where they have two supervisors one from industry and the other from academia). I'm enclosing an attestation from the President of Angers University concerning this position that I held there. I'm sorry it's in French, but I think I can get another (unofficial) one in English from the head of the department of Angers University if needed.

In April 2016 I started another two-year postdoctoral fellowship at Aarhus University. My research activities were similar to those I had during my postdoctoral fellowship at Tromsø University. During my third postdoctoral fellowship I published 6 papers (papers 1 through 6 on my publication list).

I'd like to add that in November 2016 I was offered a position of Independent Research Fellowship / Lectureship from Nottingham Trent University in the UK, but after waiting for almost a year the university couldn't get me a Certificate of Sponsorship until it was too late. The point is that the position offered was in big data analytics, so in preparation for the position I've been working extensively on the topic and similar technologies ever since. I also took several advanced online

courses at different universities. I took a course by Linux Foundation in Apache Hadoop, where we worked mainly on Hadoop, but also on Spark and Hive. I took another course by the University of San Diego in big data for very large datasets using Spark. Part of the course focused also on TensorFlow. I took a course (organized by Microsoft) in deep learning, where we had hands-on experience in major deep learning techniques (multilayer perceptron, convolutional neural networks, recurrent neural networks) using CNTK (a deep learning framework designed by Microsoft) on Jupyter Notebook, and another course in neural networks for machine learning by Toronto University (the course was given by the prominent scientist Pr. Geoffrey Hinton), which focusses on the theoretical aspects of DL in addition to hands-on experience in applying DL to image processing, text mining and time series prediction. I also took another course by Columbia University in IoT and another course organized by The University of Washington in cyber security. I've also been reading on cloud computing during all that period and preparing to take CompTIA Cloud+ Certification.

In April , 2018 I started another temporary position at DTU to work in the new BioAnalytics group at the Novo Nordisk Foundation Center for Biosustainability (DTU Biosustain), where my responsibilities will be to apply AI and machine learning, in addition to new technologies such as big data and deep learning, to analyze biological data.

In the first step, I'm working on building a database using a NOSQL (Neo4j) model, which we estimate to be the most appropriate for the data we are handling which seems to be a better alternative than SQL. In the next step, we hope to implement a dedicated GPU machine, which we plan to purchase soon, to apply deep learning algorithms to these data.

In order to clear up any potential confusion when reading my CV, I have to mention that in addition to my qualifications in information technology and mathematics, I also have a very good medical and biological background. In fact, as well as my information technology/mathematics degrees, I also have a degree as a doctor of dental science and I worked for 5 years as a dentist between 1999 and 2004. I also have a 4-year postgraduate diploma in facial surgery/oral surgery from the faculty of medicine/université de Lorraine in France. My graduation mémoire (thesis) was on "Robotic Surgery of the Head and Neck" (in French – publication 11 on my publication list). I also have another 1-year postgraduate degree in maxillofacial prosthetics from the faculty of dentistry/université de Nantes in France. In addition, I took two one-year university courses in implantology and in oral biology. All this, of course, has nothing to do with the position you are offering. I'm just clearing up this part of my scientific background.

I'm enclosing my mathematics Magistère diploma. I'd like to apologize that it's in German, but this is the only one I have with me now.

I'm also enclosing my PhD diploma. Again I apologize that it's in French. However, I can get an English translation if this is necessary.

As for teaching qualifications, I'm officially qualified by the French Ministry of Higher Education and Research for the position of Maître de Conférences (equivalent to Associated Professor). These are the only accepted teaching qualifications in France for everyone who wishes to teach at the university (there are other similar ones to teach at a Professor's level). These qualifications are awarded on a national level where the dossiers of all the candidates who wish to be qualified are

examined by committees of experts in each section who decide if this candidate has done enough research and teaching activities after he/she has obtained their PhD. (c.f.

<http://www.enseignementsup-recherche.gouv.fr/cid22657/maitres-de->

[conferences.html\). You can see the list of all qualified candidates that year here:](https://www.galaxie.enseignementsup-)

[https://www.galaxie.enseignementsup-recherche.gouv.fr/ensup/pdf/qualification/Resultats\\_2014/qualified\\_MCF\\_2014.pdf](https://www.galaxie.enseignementsup-recherche.gouv.fr/ensup/pdf/qualification/Resultats_2014/qualified_MCF_2014.pdf)

(My name appears twice; once on page 74 and another on page 140, as I'm qualified on two sections: section information technology and section cellular biology)

I'd like to add that I also took a course in teaching English to adults at Cambridge university (I'm enclosing my certificate). Although this training may look irrelevant to you, but in fact it helped me understand teaching theories, which will still be helpful when teaching other subjects.

Concerning references, you can contact my supervisor at Tromsø University Prof. Nils Willassen [nils-peder.willassen@uit.no](mailto:nils-peder.willassen@uit.no) - the director of "Center for Bioinformatics (SfB)", Dr. Mais Absi [mais.absi@manchester.ac.uk](mailto:mais.absi@manchester.ac.uk) ; a researcher at Manchester University, with which I worked for a while, or Professor Hefeng Dong [hefeng.dong@iet.ntnu.no](mailto:hefeng.dong@iet.ntnu.no) - my scientific coordinator (supervisor) during my first postdoctoral fellowship at NTNU, and my current supervisor at DTU, Pr. Douglas Kell [https://en.wikipedia.org/wiki/Douglas\\_Kell](https://en.wikipedia.org/wiki/Douglas_Kell), who's a renowned scientist and the associate director of DTU Biosustain

Please take note that all references can be contacted only if I'm shortlisted and only after the interview.

Best regards,  
Marwan

RÉPUBLIQUE FRANÇAISE

MINISTÈRE DE L'ENSEIGNEMENT SUPÉRIEUR ET DE LA RECHERCHE  
UNIVERSITÉ DE BRETAGNE-SUD

DOCTORAT

Vu le code de l'éducation, et notamment son article L.612-7 ;

Vu le code de la recherche, notamment son article L. 412-1 ;

Vu le décret n° 2002-481 du 8 avril 2002 relatif aux grades et aux titres universitaires et aux diplômes nationaux ;

Vu l'arrêté du 3 septembre 1998 relatif à la charte des thèses ;

Vu l'arrêté du 27 juin 1985 modifiant la liste des établissements autorisés à délivrer, seuls, le doctorat ;

Vu l'arrêté du 07 Août 2006 relatif à la formation doctorale ;

Vu les pièces justificatives produites par M. MUHAMMAD MARWAN MUHAMMAD FUAD,

Application to Time Series Data Mining and Information Retrieval,  
préparée au sein de l'école doctorale SANTÉ, INFORMATION COMMUNICATIONS ET MATHÉMATIQUES, MATIÈRE (SICMA), devant un jury présidé par GEORGES HEBRAIL, PROFESSEUR DES UNIVERSITÉS et composé de PIERRE-FRANCOIS MARTEAU, PROFESSEUR DES UNIVERSITÉS, GILDAS MENIER, MAITRE DE CONFERENCES, VALERIE MONBET, PROFESSEUR DES UNIVERSITÉS, RENE QUINIOU, CHARGE DE RECHERCHE ;

Vu la délibération du jury ;

Le DIPLÔME DE DOCTEUR SCIENCES ET TECHNOLOGIES DE L'INFORMATION ET DE LA COMMUNICATION, mention très honorable

est délivré à **M. MUHAMMAD MARWAN MUHAMMAD FUAD**  
et confère le grade de docteur,  
pour en jouir avec les droits et prérogatives qui y sont attachés.

Fait à RENNES, le 12 décembre 2011

Le titulaire

Le Président

Olivier SIRE  
N° UBRESUD 8511064  
/2011201001957

Le Recteur d'Académie,  
Chancelier des universités



Alexandre STEYER





Haisam Idris  
Staatl. Vereidigter Dolmetscher  
Arabisch - Deutsch  
Aleppo, Syrien, Tel 2231047

التَّرْجُمَانُ الْعَالَمُ  
هِيَشْ إِدْرِيس  
عَرَبِيٌّ - أَلْمَانِي  
حَلَبٌ - سُورِيَّةٌ - هَاتَفٌ ٢٢٣١٠٤٧

SYRISCHE ARABISCHE REPUBLIK  
Universität Aleppo

Lfd.-Nr.: 0444

Bescheinigung über  
POSTGRADUALER MAGISTER  
in Angewandte Mathematik

In Anlehnung an den Beschuß des Universitätsrates der Universität Aleppo Nr. 919  
vom 30.12.2001 wurde

Herrn Muhammad Marwan MUHAMMAD FUAD  
Sohn des Sobhi Barakat  
geb. 1965 in Aleppo  
syrischer Staatsangehöriger

der akademische Grad :

POSTGRADUALER MAGISTER  
in Angewandte Mathematik

mit dem Prädikat **das Ehrentitel** verliehen.

Thema seiner Schriftarbeit:

Modifizierung der Akima - Prozedur der birialen Interpolation für unregelmäßige Verteilung von Datenpunkten.

Aussteller : Unterschrift  
Kontrolleur : Unterschrift

Aleppo, den 15.01.2002

Der Rektor der Universität Aleppo  
Unterschrift und Stempel

Rückseite

PHOTOKOPIE STIMMT MIT DEM ORIGINAL UEBEREIN

Aleppo, den 05.06.2002

Abteilung für Postgraduierten: Unterschrift u. Stempel

Dekan der Fakultät für Wissenschaft: Unterschrift u. Stempel

Leiter des Studentenamts an der Universität Aleppo

Unterschrift und Stempel

Für die Richtigkeit der Übersetzung  
H. IDRIS



## **Teaching Statement**

- 2015- 2016: The University of Tromsø - The Arctic University of Norway.  
Postdoctoral Fellow with teaching duties of 25% of the position
- 2014- 2015: Angers University - Department of Informatics. Lecturer - 192  
classroom teaching hours.
- 2013- 2014: The University of Tromsø - The Arctic University of Norway.  
Postdoctoral Fellow with teaching duties of 25% of the position
- 2012-2013: (Second semester) The University of Tromsø - The Arctic University of Norway.  
Postdoctoral Fellow with teaching duties of 25% of the position
- 2012-2013: (First semester) Norwegian University of Science and Technology. Supervised a  
Master degree student in a project on the applications of optimization in his  
domain of study. Two sessions a week (every one for about two hours)
- 2011-2012: (First semester) University of Nantes. Lecturer - 110 teaching hours
- 2010-2011 : University of Nantes. Lecturer -318 teaching hours
- 2009-2010 : l'Ecole des Mines de Nantes (engineering school). Lecturer - 200 teaching  
hours
- 1995-2004 : Aleppo University. Teaching Assistant - about 4 teaching hours a week.

## **Teaching Subjects**

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Algorithms, stochastic and bio-inspired optimization, data mining, knowledge management,  
similarity search, information retrieval, bioinformatics, machine learning, information systems,  
web development (Unix, XHTML, CSS, JavaScript), object-oriented programming, operations  
research , MATLAB, and English.

I taught students of level L1 through M2 (= first year of Bachelor's degree through second year of  
Master's degree)





DIRECTION DES RESSOURCES HUMAINES  
Service du personnel enseignant

## CERTIFICAT DE TRAVAIL

Je, soussigné, Monsieur Jean-Paul SAINT-ANDRE, Président de l'université d'Angers, certifie avoir employé Monsieur MUHAMMAD FUAD Muhammad en qualité d'Attaché Temporaire d'Enseignement et de Recherche à l'Université d'Angers (UFR Sciences) pour la période du 1<sup>er</sup> septembre 2014 au 31 août 2015.

Attestation établie ce jour, pour servir et valoir ce que de droit.

Fait à Angers le 25 août 2015

Pour le Président, et par délégation,  
La responsable du service du personnel  
enseignant

Céline / E



Présidence de l'Université d'Angers 40 rue de Rennes B.P 73532 ANGERS cedex 01

## Mustafa Muwafak Alobaedy (Candidate ID 2151654)



Kønnummer	3
Fornavn	Mustafa Muwafak
Efternavn	Alobaedy
Adresse	Kaermindevej 8, St. Tv.
Postboks	4700 Naestved
Statsborgerskab	Irak
Køn	Mand
Fødselsdato	16-01-1975
E-mailadresse	<a href="mailto:new.technology@hotmail.com">new.technology@hotmail.com</a>
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Mobiltelefon	+45-30247516

## Mustafa Muwafak Theab Alobaedy

(PhD Computer Science), (MIEEE)

Mobile (Denmark): +45 30 24 75 16

Mobile (Malaysia): +60 10 665 01 71

Email: [new.technology@hotmail.com](mailto:new.technology@hotmail.com)

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### Education

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- PhD Computer Science, Universiti Utara Malaysia 2011-2015
- MSc Intelligent System, Universiti Utara Malaysia 2008-2010
- BSc Information Technology, Sikkim Manipal University 2005-5008

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### Language

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- Arabic
- English

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### Awards and Acknowledgements

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- Gold Medal for the invention/innovation of “COMICULTURE: A Digital Comic for Culture Aware Education”. Pecipta 2017, the International Conference and Exposition on Inventions by Institution of Higher, Terengganu, Malaysia.
- Gold Medal for the invention/innovation of “BacaBot” PERINTIS 2016, Universiti Tenaga Nasional (Uniten), Putrajaya, Malaysia.
- Silver Medal for the invention/innovation of “Robot Voice Replay for Language and Mathematics Learning” ITEX. 27th International Invention, Innovation and Technology Exhibition 2016 Kuala Lumpur, Malaysia.
- Gold Medal for the invention/innovation of “BacaDisleksia”. Pecipta 2015, the International Conference and Exposition on Inventions by Institution of Higher Learning. Kuala Lumpur, Malaysia.
- Bronze Medal for the invention/innovation of “Face Recognition using Template Matching for Remote Database Backup. Malaysia Technology Expo 2011, Kuala Lumpur, Malaysia.

## Intellectual Property (copyrights)

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- Bacadisleksia, 2016  
Registration Number: LY2016001311
- Jobs Scheduling Simulator (JSS), 2016  
Registration Number: LY2016003299
- Robot's Voice Replay for Language and Mathematics Learning, 2017  
Registration Number: CRLY00004447
- ComiCulture A Digital Comic for Culture-Aware Education, 2017  
Registration Number: LY2017003510

## Skills

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### Software Development Language

- .Net C#
- Universal Windows Platform (UWP)
- Windows Presentation Foundation (WPF)
- Silverlight
- Java
- C, C++

### Databases

- SQL Server
- SQL Server Report Builder

### Algorithms

- PSO, ACO, ABC, TS, GA, SA, and NN

## Work Experience

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### Educational Work Experience

- **Senior Lecturer** 2015 – 2018  
School of Computing, College of Arts and Sciences  
Universiti Utara Malaysia
- **Research Assistance** 2013 – 2015  
School of Computing, College of Arts and Sciences  
Universiti Utara Malaysia
- **Research Assistance** 2011 – 2012  
School of Computing, College of Arts and Sciences  
Universiti Utara Malaysia

## Industrial Work Experience

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- **Research Fellow and Facilitator** 2010 – 2013  
SerindIT.COM  
Universiti Utara Malaysia

## Research Experience

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- **Research Leader** 2017- Present  
Grant title: New Discrete Metaheuristic Algorithm for Dynamic Travelling Salesman Problem.  
Ministry of Higher Education (MOHE), Malaysia.
- **Co-researcher** 2017- Present  
Grant title: An IxD-based Model for Digital Graphic Novels  
Ministry of Higher Education, Malaysia
- **Co-researcher** 2015 – Present  
Grant title: BacaDisleksia: An application with face distortion to fortify reading engagement for dyslexic children.  
Ministry of Higher Education, Malaysia
- **Research Assistant** 2013 - 2015  
Grant title Hybrid ACS Algorithm for Dynamic Scheduling of Jobs in Computational Grid System.  
Ministry of Higher Education, Malaysia
- **Research Assistance** 2011-2012  
Grant title Ant Colony Optimization Algorithm for Dynamic Scheduling of Jobs in Computational Grid.  
Ministry of Higher Education, Malaysia

## Professional Memberships

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- Institute of Electrical and Electronic Engineers (IEEE) (Member)
- Data Science Research Lab, School of Computing, UUM (Primary Fellow)
- Human Centre Computing Lab, School of Computing, UUM (Associate Fellow)

## Research Interests

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- Software Engineering
- Optimization
- Classification
- Metaheuristic Algorithms
- Big data Analysis

## Community Services

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- Curriculum Review Committee (Member) July 2016 - 2018  
School of Computing, UUM
- Internalization Committee (Member) August 2015 - 2018  
School of Computing, UUM

## Editorial Board Memberships / Reviewer

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- **Consulting Editor** August 2016 – Present  
Journal of Information and Communication Technology (JICT)
- **Reviewer** (February 2017)  
The Second International Conference on the Future of ASEAN (ICoFA 2017)

## Workshop / Course

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- Deep Learning and GPU Workshop 2016  
University Science Malaysia
- Machine Learning in Computer Vision 2013  
Kuala Lumpur, Malaysia
- High Impact Article Writing Workshop 2013  
Universiti Utara Malaysia
- Basic Project Management Skills Training 2012  
EDC-UUM Hotel, Kedah
- Workshop on Literature Review 2010  
Universiti Utara Malaysia
- Participated in the National Conference on Rural ICT Development 2009  
Universiti Utara Malaysia
- Visual Basic 2007  
Computer Paradise, Mysore, India
- C#.NET Framework, ASP.NET, and Win Form 2007  
Computer Paradise, Mysore, India
- Programming in “C” and “C++” 2006  
Computer Paradise, Mysore, India

## Teaching and course coordination

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- Advanced System Analysis and Design (Coordinator).
- Statistics for Information Technology (Coordinator).
- Mathematics for Information Technology.
- Neural Networks (Coordinator).
- Computer Systems and Network (Coordinator).

## Publications

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- [1] Alobaedy, M. M., Khalaf, A. A., & Muraina, I. D. (2017). Analysis of the Number of Ants in Ant Colony System Algorithm. In *The 5th International Conference on Information and Communication Technology (ICoICT)* (pp. 77–81). Melaka: IEEE.
- [2] Muraina, I. D., Alobaedy, M. M., & Ibrahim, H. H. (2017). A Framework for Preserving Data Integrity during Mobile Device Forensic in Open Source Software Environment. In *Proceedings of the Free and Open Source Software (FOSSC)* (pp. 22–26). Muscat.
- [3] Alobaedy, M. M., & Ku-Mahamud, K. R. (2015). Hybrid Ant Colony System and Genetic Algorithm Approach for Scheduling of Jobs in Computational Grid. *Research Journal of Applied Sciences, Engineering and Technology*, 11(7), 806–816.
- [4] Alobaedy, M. M., & Ku Ruhana Ku-Mahamud. (2015). Low and High Level Hybridization of Ant Colony System and Genetic Algorithm for Job Scheduling in Grid Computing. In *Proceedings of the 5th International Conference on Computing and Informatics, ICOICI 2015* (pp. 306–311). Istanbul.
- [5] Alobaedy, M. M., & Ku-Mahamud, K. R. (2015). Strategic Oscillation for Exploitation and Exploration of ACS Algorithm for Job Scheduling in Static Grid Computing. In *Proceedings of the 2nd International Conference on Computing Technology and Information Management* (pp. 87–92). Johor: IEEE.
- [6] Alobaedy, M. M., & Ku-Mahamud, K. R. (2014). Scheduling Jobs in Computational Grid using Hybrid ACS and GA Approach. In *Proceedings of the International Conference on Computing, Communications and IT Applications* (pp. 223–228). Beijing: IEEE.
- [7] Ku-Mahamud, K. R., & Alobaedy, M. M. (2013). New Heuristic Function in Ant Colony System Algorithm for Optimization. In *Proceedings of the 15th International Conference on Mathematical Methods, Computational Techniques and Intelligent Systems* (pp. 13–18). Lemesos.

- [8] Alobaedy, M. M., & Ku-Mahamud, K. R. (2013). Ant Colony System with Heuristic Function for the Travelling Salesman Problem. *Journal of Next Generation Information Technology*, 4(2), 39–48.
- [9] Alobaedy, M. M., & Ku-Mahamud, K. R. (2012). New Heuristic Function in Ant Colony System for the Travelling Salesman Problem. In *Proceedings of the 7th International Conference on Computing and Convergence Technology* (pp. 965–969). Seoul.
- [10] Ku-Mahamud, K. R., & Alobaedy, M. M. (2012). New Heuristic Function in Ant Colony System for Job Scheduling in Grid Computing. In *Proceedings of the 17th International Conference on Applied Mathematics* (pp. 47–52). Montreux.
- [11] Din, A. M., Ahmad, F., Farhan, M., Mohsin, M. F. M., Ku-Mahamud, K. R., & Alobaedy, M. M. T. (2011). Face Recognition for Remote Database Backup System. In *Proceedings of the 6th International Conference on Computer Sciences and Convergence Information Technology* (pp. 288–292). Seogwipo.
- [12] Theab, M. M., Yusof, Y., & Alobaedy, M. M. T. (2010). Autonomous Object Movement in Modeling Bees Foraging. In *Proceedings of the International Conference on Information and Finance* (Vol. 1, pp. 298–300). Kuala Lumpur.

## References:

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- 1- Prof. Dr. Ku Ruhana Ku Mahamud  
Email: [ruhana@uum.edu.my](mailto:ruhana@uum.edu.my)  
Office No: 0060 49 28 47 17
- 2- Dr. Yousef Ali Fazea Alnadesh  
Email: [yosiffz@uum.edu.my](mailto:yosiffz@uum.edu.my)  
Office No: 0060 49 28 5202
- 3- Dr. Ishola Dada Muraina  
Email: [ishod@uum.edu.my](mailto:ishod@uum.edu.my)  
Office No: 0060 49 28 5217

**Subject: Cover Letter**

**Dear Sir/Madam,**

My name is Mustafa Muwafak Theab Alobaedy. I would like to apply for position of teaching assistants advertised at University of Copenhagen job portal website.

During the last three years, I have worked as a visiting senior lecturer at Utara University in Malaysia. I have involved in teaching various subjects for undergraduate and postgraduate as well. In addition, I have supervised students in their projects, dissertation, and thesis.

In terms of research, I was able to collaborate with other colleagues to secure two grants as a member and one grant as a leader. Beside grants, we have won several awards and medals through our research activities.

Adjacent to academic life, I have accumulated strong experience from software industry during my work as a software developer since 2010. Utilizing this experience, I was able to obtain four intellectual properties (copyrights) shared with Utara university and other colleagues.

Therefore, I strongly believe that I can contribute to the achievement of the university in terms of teaching, research, and project development. I hope to be a proactive player in your team.

I have attached with this letter my CV, certificates, teaching portfolio, research profile, and list of publications, I hope you find everything in order and I look forward to hear from you.

Yours faithfully,  
Mustafa Muwafak Alobaedy

HP: + 45 30 24 75 16  
Email: new.technology@hotmail.com  
Address: Kaermindevej 8, St. TV,  
Naestved, 4700, Denmark.



This is to certify that

*Mustafa Muwafak Theab Alobaedy*  
has been awarded the degree of

*Bachelor of Science  
in  
Information Technology*

for having duly completed the prescribed  
requirements  
*in the year 2008*

Given under the seal of the University on  
the 06th day of December 2008



Gangtok, Sikkim,  
INDIA

Reg No: 560575242

Vice - Chancellor



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2024470

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# SIKKIM MANIPAL UNIVERSITY

of Health, Medical & Technological Sciences

5th Mile, Tadong, Gangtok - 737 102, INDIA



## CONSOLIDATED STATEMENT OF MARKS

Bachelor of Science in Information Technology (BScIT) Examinations held during Aug 2005 and Jul 2008

Name: MUSTAFA MUWAFAK THEAB ALOBAEDY

C01607

Registration Number : 560575242

11.11.2008

SEM	PAPER	UE MARKS		IA MARKS		TOTAL MARKS		SEM TOTAL		GRADE
		MAX	SCORED	MAX	SCORED	MAX	SCORED	MAX	SCORED	
I	BT3132	140	54	60	53	200	107	800	465	C
	BT0033	140	61	60	54	200	115			
	BT0034	140	59	60	57	200	116			
	BT0035	140	68	60	59	200	127			
II	BT3637	140	61	60	54	200	118	800	476	C
	BT0038	140	90	60	58	200	148			
	BT0039	140	54	60	49	200	103			
	BT0040	140	56	60	51	200	107			
III	BT4142	140	69	60	51	200	120	800	511	B
	BT0043	140	108	60	52	200	160			
	BT0044	140	49	60	45	200	94			
	BT0045	140	86	60	51	200	137			
IV	BT0046	70	24	30	22	100	46	800	486	B
	BT0047	70	47	30	22	100	69			
	BT0048	140	80	60	55	200	135			
	BT0049	140	84	60	43	200	127			
	BT0050	140	61	60	48	200	109			
V	BT0051	70	29	30	21	100	50	800	526	B
	BT0052	70	36	30	24	100	60			
	BT0053	140	77	60	51	200	128			
	BT0054	140	89	60	56	200	145			
	BT0055	140	89	60	54	200	143			
VI	BT0056	70	44	30	27	100	71	800	656	A
	BT0057	70	47	30	28	100	75			
	BT0058	70	57	30	29	100	86			
	BT0059	70	36	30	24	100	60			
	BT0060	140	114	60	57	200	171			
	BT0061	NA	NA	200	193	200	193			
Grand Total and Grade								4800	3120	B
Grand Total in Words : THREE THOUSAND ONE HUNDRED TWENTY ONLY										

GRADING

A	EXCELLENT	+ 70%
B	VERY GOOD	+ 60%
C	GOOD	+ 50%
D	SATISFACTORY	+ 40%
E	FAILURE	
NA	NOT APPLICABLE	

Note : Subject details are printed on the reverse

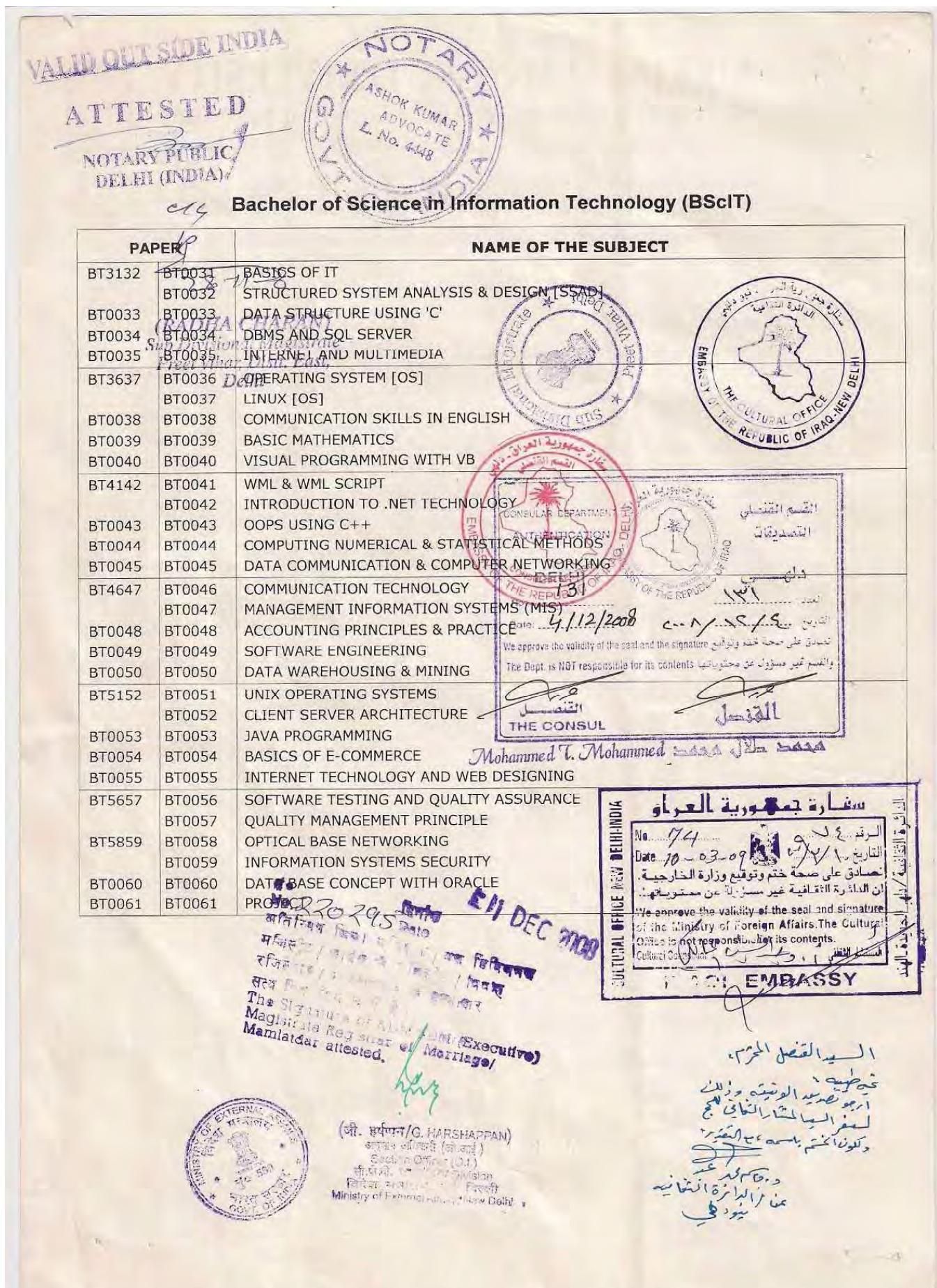


080720951 24257C53



Controller of Examinations





2010/802368



SENATE, with the authority vested in it,  
hereby confers

**THE DEGREE OF  
MASTER OF SCIENCE (INTELLIGENT SYSTEM)**

upon

MUSTAFA MUWAFAK THEAB ALOBAEDY

with all the rights and privileges pertaining thereto.

Sealed on this Thirty First of October, Two Thousand and Ten.



Y.P.  
Registrar

Assistant Vice-Chancellor

Vice-Chancellor



## UNIVERSITI UTARA MALAYSIA

Academic Affairs Department  
UUM, 06010 Sintok, Kedah  
Tel.: 04-9283105 Fax: 04-9284019

### ACADEMIC TRANSCRIPT FOR POSTGRADUATE

NAME : MUSTAFA MUWAFAK THEAB ALOBAEDY  
INTAKE SESSION : DEC SEMESTER 2008/2009  
PROGRAMME : MASTER OF SCIENCE (INTELLIGENT SYSTEM)

MATRIC NO. : 802368  
IC. NO. : G2297590

Code	Description	Credit	Status	Grade
<b>DEC SEMESTER 2008/2009</b>				
STIQ5013	RESEARCH METHODOLOGY IN IT	3		B+
STIN5043	DATA MINING	3		A
STIN5073	INTELLIGENT DATABASE	3		A
GPA : 3.78	CGPA : 3.78	RESULTS :	PASS	
<b>JUL SEMESTER 2009/2010</b>				
STIN5033	EXPERT SYSTEM	3		A
STIN5023	ARTIFICIAL INTELLIGENCE PROGRAMMING LANGGUAGE	3		A
STIN5063	INTELLIGENT AGENT DEVELOPMENT	3		B+
STIN5013	ARTIFICIAL INTELLIGENCE	3		A
GPA : 3.83	CGPA : 3.81	RESULTS :	PASS	
<b>DEC SEMESTER 2009/2010</b>				
STIZ6996	PROJECT	6		A
STIN5053	NEURAL NETWORK	3		A
STID5043	ADVANCED DATABASE DESIGN	3		B+
GPA : 3.83	CGPA : 3.82	RESULTS :	PASS	

\*\*\*\*\* End of transcript \*\*\*\*\*

TOTAL NUMBER OF CREDITS TAKEN 33  
TOTAL NUMBER OF CREDITS TRANSFERRED 0  
TOTAL NUMBER OF CREDITS 33

\* THESE CREDITS ARE NOT EVALUATED FOR CGPA

REMARKS :  
COMPLETED ALL REQUIREMENTS FOR THE  
MASTER OF SCIENCE (INTELLIGENT SYSTEM)  
ENDORSED BY SENATE DATED 27/06/2010

.....  
NOOR AZMAN YUSOF  
Director  
Academic Affairs Department  
Universiti Utara Malaysia  
.....  
31/10/2010 .....

UNIVERSITI UTARA MALAYSIA  
ACADEMIC AFFAIRS DEPARTMENT

GRADING SYSTEM FOR POSTGRADUATE

GRADE	GRADE POINT
A	4.00 (EXCELLENT)
A-	3.67 (EXCELLENT)
B+	3.33 (CREDIT)
B	3.00 (CREDIT)
B-	2.67 (PASS)
C+	2.33 (PASS)
C	2.00 (PASS)
C-	1.67 (FAIL)
D+	1.33 (FAIL)
D	1.00 (FAIL)
D-	0.67 (FAIL)
F	0.00 (FAIL)
IC	INCOMPLETE
S	SATISFACTORY
US	UNSATISFACTORY
AU	AUDIT
W	WITHDRAW
P/F	PASS/FAIL
IP	IN PROGRESS
R	REPEAT

R. No.: 14309  
USD : 143.  
Cultural Attaché \* سفارة الثقافة  
AUTHENTICATION \* التأكيد  
Kuala Lumpur \* كوالالمبور  
AMBASSY OF THE REPUBLIC OF IRAQ

Number: 578

Date: 9/11/2010

We approve the validity of the seal and the signature  
The Dept. is NOT responsible for its contents  
الجهاز لا يتحمل مسؤولية محتوى  
البيان

أ.د. سعد على الطعان

Please address any enquiries to:

Academic Affairs Department  
Universiti Utara Malaysia  
06010 Sintok  
Kedah Darul Aman

Tel.: 04-9283105/3157

Fax: 04-9284019

Email: [heanet@uum.edu.my](mailto:heanet@uum.edu.my)

This is to certify that the signature  
appears on this document/Certificate/  
Marriage Certificate/Birth Certificate is that of  
Mr. MOOR AZMAN YULOF..... who is  
from University Utara.....Malaysia.

MOHD. SYARKAWI MD. AMEEN @ MD. RIPIN  
Executive Officer  
Consular Division  
Ministry of Foreign Affairs  
Putrajaya Malaysia



TELAH DI BAYAR RM \_\_\_\_\_  
NO. RESIT \_\_\_\_\_

2015/93630  




SENATE, with the authority vested in it,  
hereby confers

**THE DEGREE OF  
DOCTOR OF PHILOSOPHY**

upon

MUSTAFA MUWAFAK THEAB ALOBAEDY

with all the rights and privileges pertaining thereto.  
Sealed on this Twenty Fifth of October, Two Thousand and Fifteen.



A handwritten signature in black ink, which appears to read "H. Ahmad" or a similar name.

Vice-Chancellor

  
Registrar



## UNIVERSITI UTARA MALAYSIA

Academic Affairs Department  
06010 UUM Sintok, Kedah Darul Aman, Malaysia  
Phone: 04-928 3327 Fax: 04-928 3306

### ACADEMIC TRANSCRIPT FOR POSTGRADUATE

Name	:	Mustafa Muwafak Theab Alobaedy
Matriculation No	:	93630
Identity Card / Passport No.	:	G2297590
Admission Session	:	September 2011/2012
Final Session	:	February 2014/2015
Degree	:	Doctor of Philosophy

#### Course Taken

Course Code	Description	Credit	Status	Grade
SEP 2011/2012 SCLE6014	ACADEMIC WRITING	4	Pre-Requisite	A-

This is to certify that the above candidate has submitted a thesis entitled:

**" Hybrid Ant Colony System Algorithm for Static and Dynamic Job Scheduling in Grid Computing "**

The degree of Doctor of Philosophy was awarded by the University Senate on 11 May 2015 and was conferred at the University Convocation held on 25 October 2015.

A handwritten signature in black ink, appearing to read "Rahimah Saad".

RAHIMAH SAAD  
Director  
Academic Affairs Department  
On Behalf of Registrar  
Universiti Utara Malaysia  
.....25 October 2015.....

- This transcript is valid when it bears the signature on behalf of the Registrar.
- See reverse for explanation of grading system.
- Release of this information to a third party requires written consent from the student.

UNIVERSITI UTARA MALAYSIA  
ACADEMIC AFFAIRS DEPARTMENT

GRADING SYSTEM FOR POSTGRADUATE STUDENTS

Grading system for thought courses, Internship, Practicum, Project Paper and Dissertation

GRADE	GRADE POINT
A+	4.00 (EXCELLENT)
A	4.00 (EXCELLENT)
A-	3.67 (GOOD)
B+	3.33 (GOOD)
B	3.00 (GOOD)
B-	2.67 (SATISFACTORY)
C+	2.33 (SATISFACTORY)
C	2.00 (FAIL)
C-	1.67 (FAIL)
D+	1.33 (FAIL)
D	1.00 (FAIL)
F	0.00 (FAIL)
X	0.00 (BARRED)
IC	INCOMPLETE
S	SATISFACTORY
US	UNSATISFACTORY
W	WITHDRAW
P	PASS
F	FAIL
IP	IN PROGRESS

Grading system for Research Paper for master programmes:

GRADE
HIGH DISTINCTION
DISTINCTION
CREDIT
PASS
FAIL

Please address any enquiries to:

Academic Affairs Department  
Universiti Utara Malaysia  
06010 Sintok  
Kedah Darul Aman

Phone: 604-928 3327/ 3314/ 3308  
Fax: 604-928 3306  
Email: [heanet@uum.edu.my](mailto:heanet@uum.edu.my)

## Teaching Philosophy

Teaching a subject related to computer science and technology is one of the most colossal challenging task. The challenge steams from the fact that technology changes very fast. Therefore, we have to update our knowledge regularly in various domain specifically with subjects that we are teaching.

After each class or seminar I present, I ask myself how can I enhance or evolve my knowledge regarding this topics and how to update and correct my methods and techniques.

Teaching same subject every semester is not a static task, but it should be an evolving task.

There are many points we need to consider in this evolvement such as:

- 1- How to increase students' interactions?
- 2- How to utilize the latest technology as a media to transfer the knowledge to the students?
- 3- How to measure the students' understandings for the subject?
- 4- Does the assignments and quizzes are useful for students? Is there any alternatives?
- 5- What are the best techniques to update the syllabus and references?
- 6- In terms of pedagogy, how to move from passive education to active education and implementing “Learning by Doing”?
- 7- What is the best integration between traditional teaching techniques (face-to-face) and online learning to develop a blended mode course?

In a class with huge number of students, may be it is not possible to interact with each and every student directly. Therefore, it is important to study and analyze the students' feedback at the end of the semester. From their feedback, we can identify our weakness points, to what extend is useful to use teaching aids, and how much the assignments and quizzes are related to the course.

Hence, the teacher, course material, and teaching aids should be evolved and enhanced for the new coming semester.

## **Teaching and course coordination**

---

During the last three years, I have taught the following subjects:

**i. Postgraduate (Master degree)**

- a. Advanced System Analysis and Design (Coordinator).
- b. Neural Networks (Coordinator).
- c. Computer Systems and Network (Coordinator).

**ii. Undergraduate (Bachelor degree)**

- a. Statistics for Information Technology (Coordinator).
- b. Mathematics for Information Technology.



### Mustafa Muwafak Alobaedy

PhD (computer science)  
MSc (Intelligent System)  
BSc (Information Technology)

My work focuses on solving optimization problems using metaheuristic algorithms inspired by nature. Recently, we have developed new continues optimization algorithm based on swarm intelligence concept.

In the past, we have worked on hybridization between ant colony optimization and other metaheuristic algorithms for job scheduling in grid computing. The achieved results confirmed that metaheuristic algorithms can be enhanced.

We are now working on transforming the new continues algorithm into discrete optimization algorithm and we hope to apply it on various domain such as travelling salesman problem and scheduling.

#### Contact Information:

Email: [new.technology@hotmail.com](mailto:new.technology@hotmail.com)  
Tel: 00 60 10 665 0171

#### Selected publications:

Analysis of the Number of Ants in Ant Colony System Algorithm  
2017 ICoICT

Hybrid Ant Colony System and Genetic Algorithm Approach for Scheduling of Jobs in Computational Grid

2015 Applied Sciences, Engineering and Technology

Ant Colony System with Heuristic Function for the Travelling Salesman Problem

2013 Next Generation Information Technology

## Nadine Sandjo (Candidate ID 2151374)



Kønnummer	1
Fornavn	Nadine
Efternavn	Sandjo
Adresse	32 Redwing Close
Postboks	OX26 6SR
Land	Storbritannien
Statsborgerskab	Storbritannien
Køn	Kvinde
Fødselsdato	18-04-1981
E-mailadresse	nad_1804@yahoo.co.uk
Privattelefon	+44-7981229642
Mobiltelefon	+44-7981229642

## NADINE SANDJO

### Personal Profile

I am an IT professional with extensive experience of working in the Education sector including supporting academic staff in previous roles in preparing lab sessions, supporting the students by answering their questions, grading and giving feedback on assignments. I have great attention to detail, boundless enthusiasm and great commitment to the roles I perform.

### Work experience

#### January 2016 - *Activate Learning, Performance analyst*

- Report writing to support Senior Leadership teams with decision making.
- Ensure that accurate detailed analyses, including costs, benefits and risk profiles are available in order for senior management to make informed decisions
- Ensure the data integrity of the systems' data is proactively monitored and managed and to support users in satisfying their reporting requirements.
- Staff structured and ad-hoc training.

#### July 2014 – March 2016 *Tate, Database Manager*

- Develop processes to transfer data between systems and enhance CRM customisation.
- Monitor quality of data inputs, outputs and processes
- Improve the efficiency of the end-to-end data processes through automating repeated tasks.
- Utilise structured tools to automate the transfer, load & creation of new data tables.

#### July 2008 –July 2014 *Balliol College Oxford, Information and Research officer*

- Database Management and Gift Processing (Using Raiser's Edge)
- Data Analysis for pattern finding and segmentation purposes.
- Co-ordinating and over-seeing a comprehensive programme of prospect research. This required the analysis of existing data and the use of a wide variety of information sources.

#### July 2006– July 2008 *Oxford University, Business Analyst*

- Analysis and documentation of Business requirements.
- System configuration changes analysis and implementation.
- Software deployment and regression testing.

#### July 2006– July 2008 *Oxford Brookes University, Associate Lecturer*

Help design and dry-run exercises and assignments.

- Prepare for and hold lab sessions.
- Grade and give feedback to weekly hand-in of assignments.
- Attend possible weekly meetings.

### **Education**

2005 – 2006 - ***MSc Computer Science***. Oxford Brookes University.

2001 – 2004 - ***BSc (Hons) Computer Science***. Oxford Brookes University

2000 – 2001 ***Science and Engineering foundation programme*** Abacus College Oxford

### **Professional qualifications**

500hrs YA teacher qualification.

### **Computing Skills**

Intermediate to Advanced knowledge level of:

Microsoft Office, SQL, Orbis Task Centre, SSIS, SSRS, T-SQL Stored procedures, Data Structures; UNIX, Linux, ETL processes; Waterfall and Agile Project Management methods, UML,HTML, Working knowledge of Web Services(IIS6/7) and their application.Computer networks.

### **Leisure Activities:**

I enjoy taking part in local charity fundraising activities. I ran the London Marathon in April 2014 for Oxfam (I raised £800). I have run several marathon and half marathons ever since , including the Copenhagen half marathon.

### **Additional information**

Clean driving licence.

Fluent in English and French (Mother tongue).

**References** Available on request.

Dear Sirs,

I am writing to apply for the position of Teaching Assistant at the University of Copenhagen in the following areas: **Komit Analysis, Design and Control of IT infrastructure, Big data systems, Modelling and Analysis of Data.**

I have been working in the Education sector for over 10 years and in a similar role after I first finished my Masters degree in 2006.

Success in my current role is very dependant on how well I support the senior management team in their decision making whilst producing accurate reports and presenting the at board meeting. I feel I will be bringing these skills into this post and support the Lecturers in their day to day tasks whilst also playing a bridge between them and the students -specially during assessments periods.

I am professional, friendly, and always keen to learn from or offer help to others when necessary. In my current role, I also provide help to systems' users therefore, managing my workload and prioritising as required is a key to meeting the quality of service I am required to provide, together with accuracy and attention to detail. I feel these skills will add value to the quality of the teaching at Copenhagen University.

I am familiar with the concept of IT infrastructure design, having studied computer networks at University. Data modelling and analysis have also been familiar concept from previous roles.

I am really passionate learning new things and sharing my knowledge in the process and I feel this role will be a good platform for me to learn new areas in computing -since my student days- whilst using skills acquired in the professional sector in order to really add value to the overall students' experience.

I am looking to return to academia with the view of doing further study/research in future and Copenhagen University ,with its outstanding reputation , is an obvious place where anybody like me would want to come and work, and gain first hand access to the Danish culture that I am really fond of-having travelled to Scandinavia repeatedly over the years.

Integrity has always been a quality I base my professional life upon and I truly believe I will easily adhere to the strict confidentiality that this position requires.

I am organised, open to new challenges and always willing to learn and I am confident that I will be able to excel in this position and add value to your department.

I have attached my CV for your consideration.

Yours sincerely

Nadine Sandjo



*It is hereby certified that*

**NADINE SANDJO TCHATCHOUA**

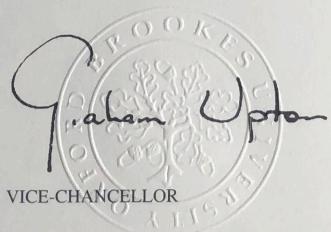
on the 8th November 2006

has been awarded the degree of

# MASTER of SCIENCE

in

Computer Science



0362569

OXFORD  
**BROOKES**  
UNIVERSITY

## Prital Patel (Candidate ID 2153053)



Kønnummer	14
Fornavn	Prital
Efternavn	Patel
Adresse	Hovedgade 401
Postboks	2860 Søborg
Land	Danmark
Statsborgerskab	Indien
Køn	Kvinde
Fødselsdato	24-01-1987
E-mailadresse	baldhapiyu@gmail.com
Mobiltelefon	+45-22292401

## Prital Patel

- Lecturer in Computer Science
- Quality Assurance
- Google Summer of Code 2016 Student
- Joomla! Automated Testing team member

**Email :** [baldhapiyu@gmail.com](mailto:baldhapiyu@gmail.com)  
**Phone :** +45 22 29 24 01  
**Permits :** Residence and Work in Denmark  
**Present Address :**  
Søborg Hovedgade 104, 31,  
Søborg 2860, Denmark.

### Work Experience

#### Worked as a Assistant Lecturer

I had been Lecture in Sardar Patel Kelavni Mandal in BCA & PGDCA Department, Jetpur, Gujarat, India. As a lecturer I taught many subject like C Language, COA, C++, DS(data structure), Oracle, SQL Server, MYSQL and PHp.

Time Period: 1<sup>st</sup> June 2010 to 30<sup>th</sup> October 2016.

#### Google summer of code 2016

I did an internship in Google Summer of Code 2016 programme and worked on the “Browser Automated Tests for Joomla! CMS(covering Users and Content features)” project for [Joomla! CMS](#) Community. (<https://summerofcode.withgoogle.com/archive/2016/projects/6002483084132352>)

### Computer Science Skill Set

#### Languages

- C, C++, Java
- PHP – Object Oriented Programming
- MySQL
- JavaScript
- HTML5
- CSS3
- XML
- ASP.NET

#### Frameworks & Testing Tools

- Codeception
- PHPUnit testing
- Gherkin, BDD, TDD, Behat
- Selenium WebDriver testing
- Selenium server and codeception based testing
- Automatic Testing with Continuous Integration Tools (Travis)

#### Programming Tools & Continuous Integration

- GIT - Branching & Pull Request model
- GitHub
- Travis CI
- Drone.io
- Php Codesniffer (phpcs)
- Php Documentor for API Doc

#### Operating Systems & Editors

- Linux Ubuntu 14.04 - 16.04
- Sublime Text 3 Editor
- PhpStorm

## Database

- MYSQL
  - Sqlite
  - Sql Server2010
  - Oracle

## System Administration

- Doker

## **Education Qualification**

January 2017	Doctor of Philosophy(Ph.D) in computer science · Saurashtra University, Rajkot, Gujarat, India. · Research on “Analytical study and comparison of PHP based various open source CMS for modeling of automated testing suits”
April 2010	Master of Science(M.Sc) in information & Technology · Saurashtra University, Rajkot, Gujarat, India. · Obtain 69.39% (First Class)
April 2008	Post Graduate Diploma In Computer Applications (P.G.D.C.A) · Saurashtra University, Rajkot, Gujarat, India. · Obtain 57% (Second Class)
March 2007	Bachelor of Commerce (B. Com) · Saurashtra University, Rajkot, Gujarat, India. · Obtain 56% (Second Class)

## Article & Blog

## **Articles published in Joomla! Magazine**

- September 2016 - GSoC: Browser Automated Tests for Joomla! CMS - <http://bit.ly/prital-gsoc3>
  - August 2016 - GSoC: Improved Joomla! CMS tests using BDD Gherkin and Codeception - <http://bit.ly/prital-gsoc2>
  - Jun 2016 - How to make Joomla CMS tests Better with Gherkin and Codeception? - <http://bit.ly/prital-gsoc1>
  - December 2015 - Published paper in Research Expo International Multidisciplinary Journal

ISSN: 2250 - 1630

Vol - V, Issue XII/ December, 2015

*"A study on various automation tools and comparison of selenium web driver and sahi pro"*

## **Project and seminar**

<b>Online examination System (P.G.D.C.A. 2nd Semester)</b>	All the details of the Exam and Display result of student. Project report on web-base development as per requirement of the partial fulfillment of P.G.D.C.A. <ul style="list-style-type: none"><li>- Backend: Oracle 8i</li><li>- GUI: VB 6.0</li></ul>
--	--

Notepad (M.Sc I.T. 1st Semester)	The entire Menu available with Notepad and many features of it are included programmatically. · Tool: Visual C++
Oil Mill Management System (M.Sc I.T. 2nd Semester)	All details of the production and sales of oil. The system of online entry for the management will work all the task of the industry. The system traps all the illegal process or the entries made. It calculates the beginning & ending stock of products. · Backend: Ms Access · Frontend: .Net with C#
VM Mega Mart (M.Sc I.T. 3rd Semester)	All details of the Sales of All the Items. Customer can shop online. The website was developed for VM Mega Mart for its advertisement and set it at international level as per their requirement. · Backend: SQL Server 2005 · Frontend: ASP.Net with C#
Payroll Management System (M.Sc I.T. 4th Semester)	It's a module of an E-Commerce Project (GSHOPPER).It's a system that calculates Staff's Wages, Allowances, Commission, Superannuation, Tax, Sundries, Leaves Taken & finally the Pay Slip is generated for a specified period. · Backend: SQL Server 2005 · Frontend: C# .NET using DEVExpress

### Personal Details

Husband's Name	:	Mr. Gunjan Patel
Gender	:	Female
Date of Birth	:	24 <sup>th</sup> Jan, 1987
Marital Status	:	Married
Languages known	:	Gujarati, Hindi, English, Danish basic level
Religion	:	Hindu
Nationality	:	Indian
CPR No.	:	240187-****

### Passport

Passport No	:	P3217061
Date of Issue	:	4 <sup>th</sup> August 2016
Place of Issue	:	Ahmedabad, Gujarat, India
Date of Expiry	:	3 <sup>rd</sup> August 2026

### Declaration

I hereby declare that the above written particulars are true to the best of my knowledge and belief.

Date: 21<sup>th</sup> May, 2018

Your Faithfully,

Prital Patel

## Assistant lecturer

**From:**

Prital Patel  
Søborg Hovedgade 31,104  
2860 Søborg  
Contact number: +45 22 29 24 01  
Email: baldhapiyu@gmail.com

**To:** whom may it concern

**Subject:** Application for the Assistant lecturer

**Reference:** <http://employment.ku.dk/teaching-positions/?show=147176>

Dear Sir/Madam,

As referred by Assistant lecturers at the Department of Computer Science, block 1 & 2 in 2018, I am writing this letter to you in favor of the position as a lecturer in Computer Science department of your organization. I would be obliged to provide my services with your reputed organization.

I hold a Ph.d degree in Computer science as well and I have efficiently administered in BDD Automated testing using Gherkin. In addition, I have even done GSoc (google summer of code) project with Joomla! organization. I have an experience of about six years in the teaching field as an Assistant professor of Computer science. However, my teaching assignments include both introductory as well as higher level courses in computer science. In fact, my years of teaching experience have provided me the potential for teaching different kinds of students. My efficient communicative skills have made me thoroughly competent to work in a challenging environment.

I wish that you will find my application interesting and appropriate enough to match the requirements of the applied post. I would appreciate an opportunity to work with your University and forward to hear from you. Please call me on the above mentioned contact details as per your convenience. Thanking You.

Sincerely

**Prital Patel**

**Enclosures:**

Resume  
Educational Certificate  
Identity Proof





# Certificate of Achievement

This document certifies that

Prital Baldha

has successfully completed the Big Data University training course

Introduction to Data Analysis using R

**Grant Hutchison**  
Instructor

December 4, 2015



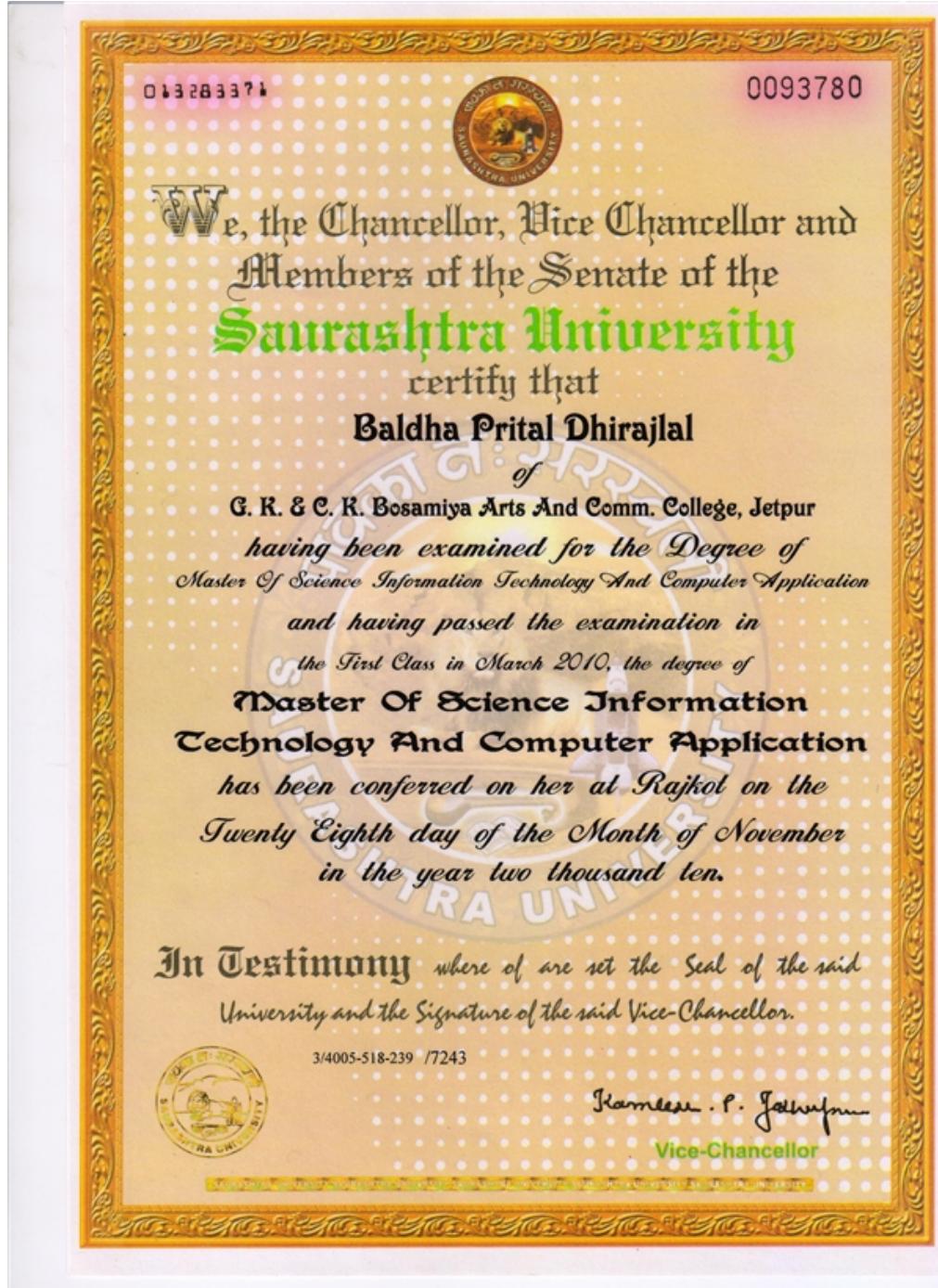


Image to Pdf



## Google Summer of Code

This is to certify that

**Prital Baldha**

has successfully completed  
Google Summer of Code 2016  
with the open source project

Joomla!

April 22 – August 23, 2016

A handwritten signature in black ink that reads "Jason Titus".

Jason Titus  
VP, Engineering

Google



## Zohreh Alizadeh (Candidate ID 2153021)



Kønnummer	<b>13</b>
Fornavn	<b>Zohreh</b>
Efternavn	<b>Alizadeh</b>
Adresse	<b>Hnezdenska 6</b>
Postboks	<b>181 00 Prague</b>
Statsborgerskab	<b>Iran</b>
Køn	<b>Kvinde</b>
Fødselsdato	<b>21-05-1985</b>
E-mailadresse	<b>z.m.alizadeh.b@gmail.com</b>
Privattelefon	<b>+45-53335810</b>
Mobiltelefon	<b>+420-776243540</b>

## Zohreh Alizadeh

## Curriculum Vitæ

### PERSONAL INFORMATION

*Birth Date:* May 21, 1985  
*Nationality:* Iranian  
*Address:* Hnezdenska 6, 18100 Prague, Czech Republic  
*Phone:* (+420) 776 243 540  
*Email:* z.m.alizadeh.b@gmail.com  
*LinkedIn:* <https://www.linkedin.com/in/zohrehalizadeh>



### PROFILE

- ✓ Detail-oriented and adaptable computer scientist with academic experience in data analysis, software programming and implementation, algorithm design, statistical analysis, scheduling, and optimization
- ✓ Dedicated professional industry expertise in software/data analysis and engineering
- ✓ Organized and responsible, capable of performing both independently and cooperatively in multi-culture and interdisciplinary environmental programs
- ✓ Skilled at mutually bringing theory and practice to approach various research/work challenges

### ACADEMIC EXPERIENCE

#### Teacher Assistant

*Institute for Advanced Studies in Basic Sciences, Zanjan, Iran*

- Introduction to Multi Agent Systems, **Summer 2013**
- Fundamentals of Computer Systems, **Spring 2013**
- Theory of Computers and Automata's, **Fall 2012 & 2013**

#### Lecturer

*Institute for Advanced Studies in Basic Sciences, Zanjan, Iran*

- Theory of Computers and Automata's, **Spring 2013**
- Advanced English, **Spring 2012**

*University of Tabriz*

- Probability and Statistic **Spring 2007**
- Windows XP, **Fall 2006**
- What is Computer, **Summer 2005**

#### Teacher

*Iran Language Institute (ILI), Tabriz Iran*

- English, **2004-2007**
- Preparation for TOEFL exam, **2005-2006**

*Sadra Secondary School, Tabriz, Iran*

- Mathematics, Physics, Chemistry, and English, **2005-2008**

### WORK EXPERIENCE

#### Software/Data Analyst and Test Engineer

Tabriz Tile Company, Tabriz, Iran, **2007-2008**

*Implementing an integrated automation system of tile production*

#### Software Developer

Tadvin System Company, Tabriz, Iran, **2010-2013**

*Proposing an efficient surveillance camera localization software*

RESEARCH  
APPOINTMENTS

**Research Assistant**, Institute of Information Theory and Automation (UTIA), Prague, Czech Republic

- Period: October 2016 - Present
- Project: Distributed Rational Decision Making: Cooperation Aspects
- Supervisor: Professors Miroslav Kárný and Tatiana Valentine Guy

EDUCATION

**MSc in Computer Science**, Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, Iran

- Period: September 2011 - August 2014
- Thesis: Energy-Efficient Mobile Object Tracking in Wireless Sensor Networks
- Supervisor: Professor Mohsen Afsharchi

**BSc in Computer Science**, University of Tabriz, Tabriz, Iran

- Period: September 2004 - August 2009
- Thesis: VV&E: Validation, Verification, and Evaluation of Expert Systems
- Supervisor: Doctor Lotfollah Eskandari

RESEARCH  
INTERESTS

**Machine Learning**

- Probabilistic Modeling, Predictive Analytics, Particle Filter

**Multi-Agent Systems**

- Agent-Based Modeling, Distributed Constraint Optimization, Multi-Agent Learning

**Probability and Statistics**

- Gaussian Models, Linear Regression Models, Probabilistic Graphical Models

**Optimization**

- Combinatorial Optimization, Stochastic Optimization, Multi-Objective Optimization

**Algorithms**

- Evolutionary Algorithms, Randomized Algorithms, Dynamic Programming

PUBLICATIONS

**Journal Articles**

3. A. G. Azar, **Z. Alizadeh**, *A Basic Proof Method for the Verification, Validation and Evaluation of Expert Systems*, Journal of Information Systems and Telecommunication, Vol. 1, Issue. 1, 27-31, 2013.
2. **Z. Alizadeh**, A. G. Azar, *Designing an Expert System to Diagnose and Propose About Therapy of Leukemia*, International Journal of Computer & Information Technologies, Vol. 1, Issue. 1, 75-83, 2013.
1. J. Khaiabadi, R. Hosseini, B. S. Bigham, **Z. Alizadeh**, *Tiling a Rectangular Area Using a Set of Unique Squares*, International Journal of Computer & Information Technologies, Vol. 1, Issue. 2, 97-105, 2013.

**Conference Papers**

4. M. Kárný and **Z. Alizadeh**, *Towards Fully Probabilistic Cooperative Decision Making*, Submitted to European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML PKDD) 2018, Dublin, Ireland.
3. **Z. Alizadeh**, M. Afsharchi, A. G. Azar, *A Distributed Energy-Efficient Algorithm for Cellular Target Tracking in Wireless Sensor Networks*, International Conference on Artificial Intelligence Applications and Innovations, Biarritz, France, September 2015.

2. F. B. Moghaddam, A. G. Azar, **Z. Alizadeh**, B. S. Bigham, *Hybridizing Trust-Based and Collaborative Filtering Recommendation Systems*, Iran Data Mining Conference, Amir Kabir University, Tehran, Iran, December 2012.
1. J. Khairabadi, R. Hosseini, **Z. Alizadeh**, B. S. Bigham, *Tiling Finite Planes*, 3<sup>rd</sup> International Conference on Contemporary Issues in Computer and Information Sciences, Zanjan, Iran, 2012.

#### Book Translation

1. English to Persian Translator of a Book Named *Robot Motion Planning*, **2013-2015**, Editor in Chief: Professor Bahram Sadeghi Bigham

#### HONORS AND AWARDS

- ✓ Best poster presentation among 77 poster presentations in 3<sup>rd</sup> international Conference on Contemporary Issues in Computer and Information Sciences, Zanjan, Iran, 2012
- ✓ Best translator (From English-Persian) and an honorable member of the Institute of Standards and Industrial Research of Iran, 2012
- ✓ Ranked 116<sup>th</sup> in the Iran National University Entrance Exam for the master's degree in computer science among more than 10.000 participants, 2011
- ✓ Accepted in the top 1% among more than 1.400.000 participants in the Iran National University Entrance Exam for the bachelor's degree in computer science, 2004
- ✓ Ranked 3<sup>rd</sup> in Advanced English language Olympiad in East Azerbaijan Province (high schools scientific competition), 2001

#### PARTICIPATION

- ✓ Participated in MADALGO Summer School on Streaming Algorithms, Aarhus University, Aarhus, Denmark, **August 2015**
- ✓ Participated in 1<sup>st</sup> Summer School on Theoretical Computer Science courses, Institute for Research in Fundamental Sciences, Tehran, Iran, **July 2012**
- ✓ Participated in 4<sup>th</sup> Winter School on Computational Geometry with focus on Robot Motion Planning, Amir Kabir University, Tehran, Iran, **February 2012**

#### MEMBERSHIPS

- ✓ Member of main organizing group in 3<sup>rd</sup> international Conference on Contemporary Issues in Computer and Information Sciences, Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, Iran, **May 2012**
- ✓ A member of Data Mining Laboratory, Institute for Advanced Studies in Basic Sciences, Zanjan, Iran, **April 2012 - August 2014**
- ✓ A member of Multi-Agent Systems Laboratory, Institute for Advanced Studies in Basic Sciences, Zanjan, Iran, **Jan 2012 - August 2014**
- ✓ A member of Robotic and Computational Geometry Laboratory, Institute for Advanced Studies in Basic Sciences, Zanjan, Iran, **Oct 2011 - August 2014**
- ✓ Supervisor of Information Technology Computer Laboratory, Institute for Advanced Studies in Basic Sciences, Zanjan, Iran, **2006 - 2010**

## Zohreh Alizadeh

## *Curriculum Vitæ*

COMPUTER SKILLS **Operating System:** Windows, Linux.

**Languages:** Matlab, C++, C#, Python, Pro-log.

**Professional:** L<sup>A</sup>T<sub>E</sub>X, Office and Project.

**Data Analysis:** Weka, R.

**Engineering:** UML, Rational Rose.

### LANGUAGES

**Persian:** Native

**Azerbaijani:** Native

**English:** Fluent (TOEFL (100/120): Reading 26; Listening 25; Speaking 22; Writing 27

**Turkish:** Upper-Intermediate

**Danish:** Beginner (Study in progress)

**Czech:** Beginner (Study in progress)

### HOBBIES

**Sport:** Basketball, Badminton

### REFERENCES

**Professor Miroslav Kárný**

Department of Adaptive Systems

Institute of Information Theory and Automation (UTIA)

Prague, Czech Republic

Email: school@utia.cas.cz

**Professor Tatiana Valentine Guy**

Department of Adaptive Systems

Institute of Information Theory and Automation (UTIA)

Prague, Czech Republic

Email: guy@utia.cas.cz

**Professor Mohsen Afsharchi**

Department of Electrical and Computer Engineering

University of Zanjan

Zanjan, Iran

Email: afsharchi@znu.ac.ir

Zohreh Alizadeh

Cover Letter

Dear Madam/Sir,

I am pleased to apply for *Assistant Lecturer position with Department of Computer Science at University of Copenhagen*. I am currently a research assistant at the Institute of Information Theory and Automation (UTIA) in Czech Republic. I am very interested in this position as it calls for the state-of-the-art skills I have and seek to keep on the cutting edge. Note that I will hold a valid Danish residence and work permit from August 2018.

During my placement as a student teacher at several high schools and also teaching assistant and lecturer at the universities in my bachelor's and master's studies, I learned, developed, and applied a broad range of teaching strategies. My main strategy was to go in deep in the topics to help students learn the course completely and keep no vague point for them. In addition, I constructed my lesson plans by, first, consulting the students about their interests and priorities to provide them with an interesting environment based on trust and respect. I implemented a variety of assessments to ensure evidence of successful learning throughout each unit. Above all, I encouraged students to assume a very active responsibility for their own learning. My students enthusiastically made strategic choices, reflected on their learning processes, collaborated often, and submitted constant input. Besides, As part of my student teaching and practical experiences, I also had the opportunity to work closely with both departmental and building wide teams. As a lecturer, I collaborated with colleagues to develop goals that were to be followed by students for the remainder of the academic year. I also actively participated in extra-curricular activities and volunteered for extra duties demonstrating an enthusiasm and true desire to be part of the teaching team.

Combined these core competencies make me believe that I would be an excellent candidate for your vacancy. During my career, I have gained a wide knowledge and understanding of teaching methodologies. My experience beyond graduate school has enhanced my success as an educator. As a talented individual who wants to progress, I am looking forward to working in an energetic and performance-driven environment. I strongly believe that your forward thinking and exciting university is a natural place for a hard working team player like me who is adaptable, accountable, and resilient. As someone who is dedicated to providing the highest quality of service at all times, I always insist on communicating with people from different nationalities and delivering highest quality of work.

As a brief illustration, the following outlines the scope of my experience which I hope will be suitable for the position:

- Bsc and Msc in computer science
- Fluent in English (TOEFL: 100/120) and hopefully soon in Danish.
- 3 years of working as a teacher assistant and 2 years of working as a lecturer during bachelor's and master's studies (in courses named Multi-Agent Systems, Computer Systems, Algorithms, Automata, Probability and Statistics, Fundamentals of Information Technology, Fundamental/Advanced Windows and Microsoft Office).
- 3 Years of teaching English for children and adults (7-18 years old) at the Iran Language Institute(ILI).
- 5 years of teaching guidance and high school students (in courses named Mathematics, Algebra, Statistics, Calculus, and English).
- 5 years of working experience in two well-known companies as a software developer and data analyst.
- 10 years of working as a English translator in professional companies (both text/book and on-line translator).

In conclusion, hopefully, my CV demonstrates the strong correlation between my expertise and position's requirements. Since *University of Copenhagen* is a reputable university, consisting of a passionate team of international entrepreneurs, experienced professors, and talented students, I do believe that I can utilize my eight years of teaching experience and my ability to educate young minds and help them pave the road towards being responsible successful individuals. I am convinced that accomplishing the tasks that are expected from the successful candidate will further develop my skills and experience taking me one step closer to my principal goal that is being an effective professor at a reputable university.

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**Zohreh Alizadeh**

*Cover Letter*

Thank you very much for your time and kind consideration. Please do not hesitate to contact me should you wish additional information. I look forward to hearing back from you soon.

Yours Sincerely,  
Zohreh Alizadeh

Research Assistant  
Institute of Information Theory and Automation (UTIA)  
Prague, Czech Republic  
Phone: (+420) 776 243 540  
*Email:* z.m.alizadeh.b@gmail.com

Marts 2010

**Translating grades to the new Danish grading system (7 point)  
and calculating the weighted average**

Regarding:  
Date of Birth

Zohreh Alizadeh
21/05/85

Name of course	Credits	Grade	Credits x grade
Theory of Computer Science I	3	13	39
Advanced Theory of Computation I	3	14.5	43.5
Advanced Artificial Intelligence	3	17.5	52.5
Computational Geometry I	3	16.5	49.5
Multi-Agent Systems I & II	3	15	45
Logic Programming	3	18	54
English Language I	0	16.5	0
Neural Network I & II	3	16.34	49.02
Advanced Data Mining	3	18.4	55.2
Machine Learning I	3	18.5	55.5
English Language II	0	19	0
Machine Vision I	3	18.5	55.5
Special Subjects (Evolutionary Algorithms)	3	16.9	50.7
Seminar I	3	20	60
Seminar II	3	19.78	59.34
English Language III	0	19.75	0
<b>Total</b>	<b>39</b>		<b>668.76</b>

The highest grade in your university's grading system

20
----

The lowest passing grade in your university's grading system

10
----

Danish weighted average

9.1
-----

Important: Do not include grades you have received for bachelor and master projects.

دکتر نادر اسدی  
متوجه رسمی زبان انگلیسی کوه قضاییه جمهوری اسلامی ایران شماره پروانه ۷۳۲  
شناخت: تبریز، ابرسان ساختمان ۱۱۰ طبقه ۷ واحد ۶  
تلفن: ۰۹۱۴۱۱۷۷۳۱۲ و ۰۹۱۱۳۲۵۳۷۷

Dr. Nader Assadi  
Official Translator of English to the Judiciary of I. R. of Iran, License No.732  
Address: Unit 6, 2<sup>nd</sup> Floor, Building 110, Abresan, Tabriz-Iran  
Tel: 0098 411 335 3372 (Office) & 0098 914 116 7312 (Cell Phone)  
[www.ferdowsstabriz.com](http://www.ferdowsstabriz.com) E-mail: [naderasadi@yahoo.com](mailto:naderasadi@yahoo.com)

### Emblem

Ministry of Science, Research & Technology

Institute for Advanced Studies in Basic Sciences- Gava Zang- Zanjan

Sealed photo of the owner

Date: 20/08/2014

No. : 24220

### Temporary Certificate of Studies Completion

This is to certify Ms. ZOHREH MOHAMMADALIZADEH BAKHSHMANDI daughter of Mohammadali holder of ID Card No.. 908 and National No. 1380480884 issued in Tabriz born on 21/05/1985 graduated in Master's Program in Computer Science with the GPA of 17.23 (Seventeen Point Two Three) on 17/08/2014.

It shall be noted the aforesaid has started her studies at Institute for Advanced Studies in Basic Sciences Zanjan center in the Fall of academic year 2011 and has completed it on 16/08/2014.

*Signed & Sealed*

*Principal, Institute for Advanced Studies in Basic Sciences*

A 10,000 Rials stamp was attached and cancelled for this certificate.

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Zanjan 45195, postal box: 45195-1159, Tel. (0241)4151, secretariat (0241)4153133, Fax: (0241)4153133  
Website: [www.iasbs.ac.ir](http://www.iasbs.ac.ir) Email: [iasbs\\_z@iasbs.ac.ir](mailto:iasbs_z@iasbs.ac.ir)  
Tehran office: No. 51, Bozorgmehr St, postal box: 14155-3834, Tel. (021)66415412, 66412703, Fax: (021)66414650

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True translation certified.  
Tabriz-Iran  
F.G

Dr. Nader Assadi  
Ferdows Official Translation Bureau  
Official Translation of English to the Judiciary  
License No. 732

تر نادر اسدی  
مع رسمی زبان انگلیسی قوه قضائیه جمهوری اسلامی ایران شماره پروانه ۷۳۲  
آقی: تبریز، ایران ساختمان ۱۱ طبقه ۲ واحد ۶ دارالترجمه رسمی فرمان  
ن. ۴۱۱۳۵۲۲۷-۰۹۱۴۷۷۱۲۱۰-۰۴۱۱۳۵۲۲۷

**Dr. Nader Assadi**  
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*Emblem*  
**General Report Card**  
**Institute for Advanced Studies in Basic Sciences**

## **General Department of Educational Affairs**

Date of Preparation: 24/08/2014

Full name: ZOHREH MOHAMMADALIZADEH Date of Birth: 21/05/1985

**BAKSHMANDI** Qualification: Master of Business Administration

Student No.: 904194 Faculty: Mathematical Sciences

Father's Name: Mohammadali Supervisor: Mohsen Afshar

**ID card No.: 908**      **Major: Computer Sciences**

Place of Issue: Tabriz

National Code: 138048

• 100 •

### Quota: Free

**Type of Program: Daily**

**Mode of Matriculation: Acceptance Through Entrance Exam**

Table of Passed Credit Courses							
Course Credit	General basic	Specialized	Principal	Thesis	Remedial	Laboratory	Sum .
Credit	0	46	0	0	0	0	46
Average	0	17.2	0	0	0	0	17.23

Rank of Student's GPA in Admitted Field: 10/17

Average of Admitted Students: 17.52

Average of Credits Passed by Admitted Students: 40.82

Number of Semester: Studying (5), Graduated (1)

Notes on Grade Status I: Ordinary Course – Passed

## 11: Incomplete

True translation certified.

Tabriz - Iran

F.G

**Dr. Nader Assadi**  
Ferdows Official Translation Bureau  
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