

Hoan Ngoc DO

École Polytechnique Fédérale de Lausanne (EPFL),
Écublens, Vaud, Switzerland.
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SUMMARY

I have a huge enthusiasm for technologies and project management. After graduating from the Master's program in Computer Science, EPFL, Switzerland in 2014, I gained vast experience while working for Swiss firms, co-founding a tech platform and working remotely for international companies. Being awarded first prize in the "National Programming Contest for Gifted Students Vietnam", further increased my great passion of coding and hunger for career growth and advancement.

EDUCATION

Sep 2012 – Oct 2014

Master of Computer Science in EPFL

Swiss Federal Institute of Technology at Lausanne (EPFL), Switzerland. GPA: 5.11 / 6.

Sep 2006 – Feb 2011

Engineering in Computer Science

Ho Chi Minh University of Technology, Vietnam

With high distinction in *honor program*. GPA: 8.4/10 (top four in Honor Class).

Thesis: "A Hybrid Approach for Inferring Mobility Mode of GPS Trajectories", scored 10/10.

WORKING EXPERIENCE

Oct 2015 – up to now

Team Leader & Senior Full Stack Developer, at Wizy Vietnam.

Team leader, full-stack developer (React, Ember.js, Node.js, Java, Play!, ColdFusion, GCP, AWS, Heroku, PostgreSQL, MongoDB).

Jan 2015 – Oct 2015

Full Stack Developer at Immoscout24.ch, Switzerland.

Worked on backend development (C#, Node.js), testing (Java, Jenkins), front-end development (JavaScript).

Jul 2013 – Aug 2014

Intern and Master Thesis at Nezasa.com, Zurich Switzerland.

A member of the development team. Worked on backend development (Scala, Play Framework, MongoDB), testing, front-end development (JavaScript, Ember.js, Handlebars.js).

Sep 2012 – Feb 2013

Developer in Distributed Information Systems Laboratory (LSIR, EPFL).

Developed an Android software middleware designed to facilitate the deployment and programming of sensor networks.

Apr 2011 – Jan 2015

Co-founder & IT Lead of YesIwant Vietnam Co., Ltd.

Co-founded and was the IT lead of the company.

Aug 2010 – Jan 2011

Research intern at the Database System Laboratory (LBD), EPFL, Switzerland.

Carried out research on mobile/trajectory databases.

PROFESSIONAL SKILLS

Very good knowledge and experience in **JavaScript, Java, Node.js**.

HTML5 (bootstrap), CSS3, JavaScript Frameworks (**React**, React Native, jQuery, Ember.js).

Server management skills (Unix, OSX, Terminal).

Good communication and management skills.

Experience in Database Management Systems: **PostgreSQL, MongoDB, MySQL**.

Advanced experience working with VS Code, Atom, Git, GCP, Heroku, Docker.

Good knowledge in Distributed Systems, Big Data (MapReduce), Data Mining.

ACADEMIC AWARDS

Sep 2008 – Jun 2010	Scholarships for high academic achievements granted by leading transnational companies, including Kitagawa Fund - Sorun Corporation, Japan; CSC Corporation, Vietnam; Datalogic Scanning, Italy; The Japan Business Association of Ho Chi Minh City; VNG Corp, Vietnam. Scholarships for student in <i>Honor Program</i> (twice every academic year).
Sep 2006 – Jun 2010	Scholarships for high academic achievements granted by Ho Chi Minh city University of Technology (twice every academic year) and Phu Yen fellow student association.
Apr 2006	First Prize in Programming Contest in <i>National Examination for Selection of Excellent High School Students</i> in the academic year 2005 – 2006.
Mar 2005	Silver medal in Programming Contest in <i>Southern Olympic 30/4, Vietnam</i> .

PUBLICATIONS

1. **Ngoc Hoan Do**, Zhixian Yan, “A Hybrid Approach for Inferring Mobility Mode of GPS Trajectories”, submitted to the 12th International Symposium on Spatial and Temporal Databases (SSTD 2011), Minneapolis, MN, USA.
2. Le Hung Tran, Nguyen Quoc Viet Hung, **Ngoc Hoan Do**, Zhixian Yan, “Robust and Hierarchical Stop Discovery in Sparse and Diverse Trajectories”, submitted to the 12th International Conference on Mobile Data Management (MDM 2011).

LANGUAGES

Vietnamese (native), **English** (fluent).



ÉCOLE POLYTECHNIQUE
FÉDÉRALE DE LAUSANNE

Swiss Federal Institute of Technology of Lausanne
hereby certifies that

**Ngoc Hoan
Do**

born on 10th November 1988 in
Phu Yen (Vietnam)

has obtained the degree of

**Master of Science MSc
in Computer Science**

He is authorised to use the professional title :
Ingénieur informaticien (ing. info. dipl. EPF)

The Vice-president for academic
affairs

A handwritten signature in blue ink that reads "Gillet".

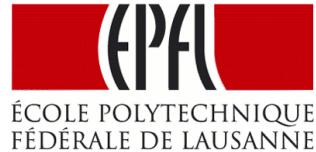
Professor Philippe Gillet

Only the original degree certificate is verifiable.
The above-mentioned document is issued at the Degree
Ceremony (La magistrale) on 4th October 2014

Domaine de la formation
Service académique

EPFL AA DAF SAC
BP 1233 (Bâtiment BP)
Station 16
1015 Lausanne

Téléphone: +41 21 693 43 45
Télécopie: +41 21 693 30 88
@mail: services.etudiants@epfl.ch
http://studying.epfl.ch/guichet_etudiants



Relevé des résultats (25.09.2014) pour / Statement of results (25.09.2014) for

Do Ngoc Hoan

Master IN

Section: Informatique

Section: Computer Science

Nom du master: Master of Science MSc en Informatique

Name of the master: Master of Science MSc in Computer Science

Matricule fédéral : 09-826-447

Federal number

Matières	Forme Forms	Session	Note ou (moyenne) Grade or (average)	Crédits ou (Coeff) Credits or (Coeff)	Crédits obtenus Obtained credits	
Master IN			(5.11)	90	90	Réussi Passed
Projet de Master <i>Master project</i>			(4.50)	30	30	Réussi Passed
Projet de master en informatique <i>Master project in Computer Science</i>	O	09.2014	4.5	30	30	
Stage d'ingénieur crédité avec le PDM (master en Informatique) <i>Internship credited with Master Project (master in Computer Science)</i>	M	04.2014	Réussi <i>Passed</i>			
Cycle master <i>Master cycle</i>			(5.42)	60	60	Réussi Passed
Groupe "Core courses & options" <i>Group "Core courses & options"</i>			(5.35)	42	42	Réussi Passed
Groupe 1 <i>Group 1</i>			(4.97)	15	15	Réussi Passed
Advanced databases	PS	07.2013	5.5	7	7	
Distributed algorithms	E	02.2013	5	4	4	
Distributed information systems	E	02.2013	4	4	4	
Groupe 2 : Options <i>Group 2 : Options</i>			(5.56)		27	Réussi Passed
Cours UNIL - Faculté des hautes études commerciales HEC (printemps 13) <i>Credits obtained at Lausanne University - Faculty of Business and Economics HEC(Spring 13)</i>	ECH	07.2013	5.5	6	6	
Entrepreneurship & new venture strategy (b)	PS	07.2013	5	4	4	
IT security engineering	E	02.2013	5	4	4	
IT security engineering TP	PS	02.2013	5.5	2	2	
Industrial automation	O	07.2013	6	3	3	
Optional project in computer science	PS	07.2013	6	8	8	
Bloc "Projets et SHS" <i>Block "Projects & SHS"</i>			(5.58)	18	18	Réussi Passed
Projet en informatique II <i>Project in computer science II</i>	PS	02.2013	6	12	12	
Philosophy, epistemology and history of science I	PS	02.2013	4.5	3	3	
Philosophy, epistemology and history of science II	PS	07.2013	5	3	3	

Voir les remarques présentes à la fin du relevé / Please read the remarks at the end of this statements of results

Suisse, Lausanne, le 25 septembre 2014 / Switzerland, Lausanne, 25th september 2014

Domaine de la formation
Service académique

EPFL AA DAF SAC
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Master IN

Section: Informatique

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Nom du master: Master of Science MSc en Informatique

Name of the master: Master of Science MSc in Computer Science

Matricule fédéral : 09-826-447

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Matières	Forme Forms	Session	Note ou (moyenne) Grade or (average)	Crédits ou (Coeff) Credits or (Coeff)	Crédits obtenus Obtained credits

Remarques:

- Il se peut que des crédits et des moyennes ne soient pas calculés en fonction de la date d'impression du relevé de notes.
- Les notes et décisions sont masquées durant la période des examens. Les notes redeviennent visibles à la fin de la session d'exams et sont définitivement confirmées durant la Conférence des Examens, suite à laquelle les décisions apparaîtront.
- Seul le bulletin original imprimé sur du papier blanc avec un filigrane central et signé par le Vice-Président pour les Affaires Académiques fournit les résultats définitifs.
- Formes d'examens : E=écrit, O=oral, PS=pendant le semestre, EO=écrit & oral, MULTI=multiple, M=mémoire, EX=exposé, TP=rapport de TP, ECH=hors plans
- Les travaux sont notés de 1 à 6 (meilleure note), 4 étant la limite de réussite. Si l'étudiant-e n'effectue pas l'épreuve à laquelle il-elle est inscrit-e, elle est notée NA (non acquis)

Remarks:

- It is possible that some credits and averages have not been calculated at the time this statement was printed.
- Marks of an exam session remain hidden until the end of the session and official decisions will only appear once the Conference for ratification of examination results has taken place and confirmed all results.
- Only the original mark sheet printed on white paper with central pale pink impression and signed by the Vice-President for Academic Affairs, is considered as the final result.
- Examination forms : E=written, O=oral, PS=during the semester, EO=written & oral, MULTI=multiple, M=term paper, EX=oral presentation, TP=project report, ECH=out of study plan
- Assignments are graded from 1 to 6 (top grade), 4 being the pass level. If the student fails to do the test for which (s)he is enrolled, it is graded NA (not obtained)

École
Polytechnique
Fédérale
de Lausanne

Master

décerne le

Master of Science MSc en Informatique

à Monsieur

Ngoc Hoan Do

né le 10 novembre 1988 à
Phu Yen (Vietnam)

qui a réussi avec succès les épreuves exigées
par les lois et règlements.

Il est autorisé à porter le titre d'ingénieur
informaticien
(ing. info. dipl. EPF)



L'École P

Le Président

P. Aebischer

Patrick Aebischer

Le Vice-président
pour les affaires académiques

Gillet

Philippe Gillet

Le Directeur de section

B. Moret

Bernard Moret

décerne

Master
en

à Montréal
Nguyen
Do

né le
Phu Y

Délivré

École Polytechnique Fédérale de Lausanne

Master

REGISTRAR'S OFFICE

EPFL AA DAF-SAC BP 1135 (Bâtiment BP)
Station 16, 1015 Lausanne (CH)
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Fax : +41 21 693 30 88
Email : student.services@epfl.ch



TRANSLATION

The École Polytechnique Fédérale de Lausanne (EPFL)

hereby confers
on Mr.

Ngoc Hoan Do

born on 10th November 1988 in Phu Yen (Vietnam)

the degree of

**Master of Science MSc
in Computer Science**

He is authorised to use the professional title
Ingénieur informaticien (ing. info. dipl. EPF)

Conferred in Lausanne, Switzerland, on 4th October 2014

The President

Patrick Aebscher

The Section Director

Bernard Moret

(Original signatures are on the original diploma in French)

DIPLOMA SUPPLEMENT

Master of Science MSc in Computer Science

Section :

Computer Science

This Diploma Supplement model was developed by the European Commission, Council of Europe and UNESCO/CEPES. The purpose of the supplement is to provide sufficient independent data to improve the international «transparency» and fair academic and professional recognition of qualifications (diplomas, degrees, certificates etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It should be free from any value judgements, equivalence statements or suggestions about recognition. Information in all eight sections should be provided. Where information is not provided, an explanation should give the reason why.

1. Information concerning the holder of the diploma

- | | |
|---------------------------------|----------------------------|
| 1.1 Family name(s) | Do |
| 1.2 First name | Ngoc Hoan |
| 1.3 Date of birth | November 10th, 1988 |
| 1.4 Federal registration number | 09826447 |

2. Information concerning the diploma

- 2.1 Type of qualification and title conferred with official abbreviation (in original language)

Qualification	Master of Science MSc
MSc Title	Master of Science MSc in Computer Science
Swiss Professional title	Ingénieur informaticien (ing. info. dipl. EPF)

- 2.2 Main fields of study covered by the qualification

Images and Interfaces, Foundations of Software, Internet Computing, Computer Engineering, Biocomputing

The Master programme comprises the conceptual aspects and mastery of computer systems at all levels, offering such transdisciplinary opportunities as specialisations in embedded systems, industrial computing or biocomputing. Thanks to the understanding of concepts acquired, this training can be continually adapted to technological development and take advantage of constantly emerging new computing tools. The EPFL computer engineer designs and develops new innovative products and services. S/He is capable of working in an international context, in either a company or an academic environment.

2.3 Name and status of the awarding institution (in original language)

École polytechnique fédérale de Lausanne, Suisse (EPFL)

EPFL - Foundation and Development

Created in 1853 as the École Spéciale de la Suisse Française, the institution became the Swiss Federal Institute of Technology Lausanne in 1969. EPFL has kept evolving, restructuring its programs and creating new curricula, thus anticipating the scientific and technological developments. Today, EPFL is a world-class university and a strategic centre of innovation in Switzerland.

EPFL has positioned itself as a research-intensive university of technology. Its vision is to develop science and engineering together so as to enrich education as well as fundamental and applied research. Thanks to this positioning, EPFL is among the best institutes of technology worldwide.

EPFL Facts - 2013

- 9'868 students, including 2'058 doctoral students, representing over 120 nationalities
- 5'534 employees, including 329 faculty members and 3'340 researchers and teachers
- 816 Master and 414 Doctorate degrees were delivered in 2013
- 340 laboratories
- close to 134 start-up companies on campus
- a library with 400'000 volumes; campus-wide online access to numerous databases and over 7'300 scientific journals
- a total budget close to CHF 600 million

Study Programs

- Architecture; Civil Engineering; Environmental Sciences & Engineering
- Electrical & Electronics Engineering; Mechanical Engineering; Materials Science & Engineering; Microengineering
- Computer Science; Communication Systems
- Physics; Engineering Physics; Nuclear Engineering; Mathematics; Applied Mathematics; Computational Science & Engineering; Chemistry; Chemical Engineering & Biotechnology
- Life Sciences & Technologies; Bioengineering
- Management, Technology & Entrepreneurship; Financial Engineering

The EPFL programs have been accredited by the Center of Accreditation and Quality Assurance of the Swiss Universities (OAQ), and those of engineering have been equally accredited by the French Commission des Titres d'Ingénieur (CTI). Thanks to this double accreditation, EPFL's degrees received the label EUR-ACE and are recognized throughout Europe.

Technology transfer

EPFL acts as a start-up incubator to assure the technology transfer from academic results into industrial development. The EPFL Innovation Park hosts 15 large international groups, 9 SMEs and 110 start-ups. During the last decade, EPFL scientists have created an average of one new business every month.

International Relations

While preserving the coherence of rigorous scientific training, EPFL offers its students exchange possibilities thanks to agreements with more than 200 carefully selected partner universities worldwide. EPFL is also a member of several academic networks, such as EuroTech, RESCIF, CLUSTER and CESAR, which promote scientific collaborations as well as student and faculty mobility.

2.4 Name and status of institution (if different from 2.3) administering studies

Some courses in complementary fields can be chosen at the University of Lausanne

2.5 Languages of instruction/examination

Mainly English, with some courses in French.

3. Information concerning the level of qualification

3.1 Level of qualification

Master : Academic degree obtained after the second cycle of studies.

3.2 Official duration of studies

The Master comprises two stages :

- a. Master programme of 2 semesters = 60 ECTS credits or 3 semesters = 90 ECTS credits
- b. Master project of 1 semester = 30 ECTS credits

1 credit = 25-30 hours of workload

3.3 Admission requirements

Bachelor's Degree in the corresponding field of studies awarded by a Swiss University or an École Polytechnique Fédérale (EPF) or according to qualifications, for other diplomas considered equivalent.

4. Information concerning programme content and results gained

4.1 Mode of study

Full-time

4.2 Programme requirements

The Master project is carried out after the 60 ECTS credits have been obtained in the Master programme or the 90 ECTS credits in the Master programme if a minor or a specialization is chosen (see art. 6.1).

An engineering internship in industry of a minimum length of 8 weeks is an integral part of the Master. However, depending on the study programme, if the Master project is of 25 weeks in length in industry, this 8 week internship can be dispensed with.

4.3 Programme details and individual grades/marks/credits obtained

The marks and the credits obtained appear in the grade sheet.

4.4 Grading system and if available information concerning allocation of grades

Marking system EPFL

Excellent	6.0
Very good	5.5
Good	5.0
Satisfactory	4.5
Pass	4.0
Nearly sufficient	3.5
Insufficient	3.0
Poor	2.5
Very poor	2.0
Non measurable	1.0

4.5 Overall classification of the qualification

Final Master grade : 5.11 / 6

5. Information concerning the function of the qualification

5.1 Acces to further studies

Allows application for specialised Master and other higher education programmes, in particular Doctoral programmes.

5.2 Professional status

There are no specific regulations bound to this profession

6. Additional information

6.1 Additional details on the individual course of the studies:

Engineering Internship :

Software and test engineering in online travel startup,
Nezasa AG, Zürich, Suisse, from 8 July 2013 to 10 January
2014

Master project out of EPFL :

Nezasa AG

Title of the Master project in the original language :

Itinerary Template Recommender System from 17
February 2014 to 15 August 2014

6.2 Others sources of information

Computer Science Section

EPFL Faculté IC

Bâtiment IN

Station 14

CH-1015 Lausanne

Tél : + 41 (0)21 6935208 or 7666

Fax : + 41 (0)21 6934710

Website : <http://sin.epfl.ch/>

E-mail : sin@epfl.ch

Registrar's office

EPFL DAF/SAC

BP - Ecublens

Station 16

CH-1015 Lausanne

Tél : + 41 (0)21 6934345

Fax : + 41 (0)21 6933088

Website : <http://sac.epfl.ch>

E-mail : student.services@epfl.ch

Naric network : <http://www.crus.ch>

Swissuniversity : <http://www.swissuniversity.ch>

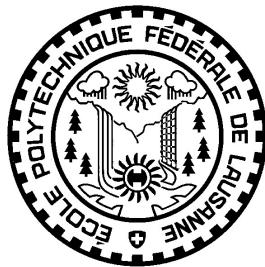
7. Endorsement of the Diploma Supplement

September 9th, 2014

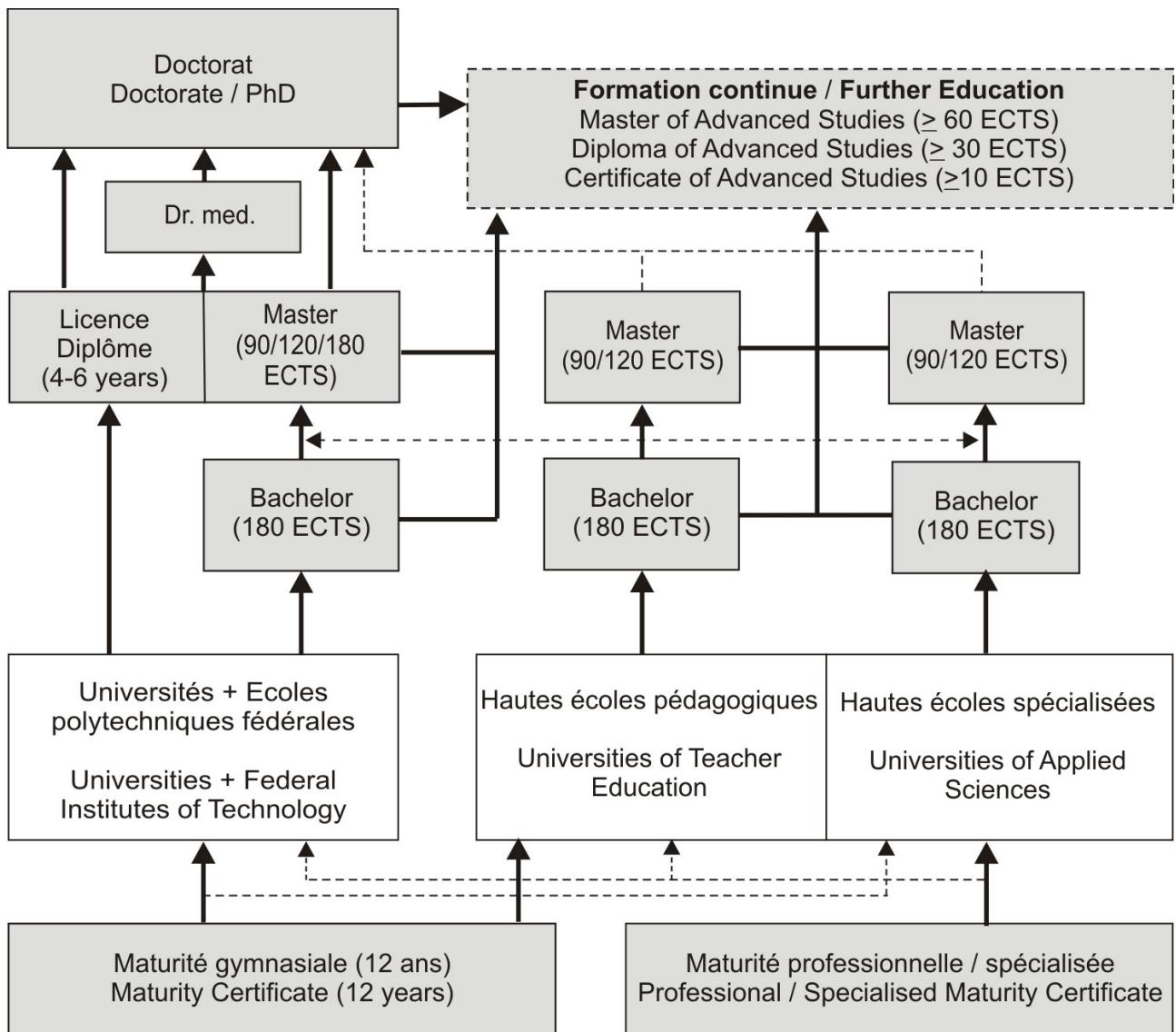
Professor Philippe Gillet



The Vice-president for academic affairs



8. Information on the Swiss education system



→ *Parcours normal
Normal path*

→ *Conditions supplémentaires requises
Additional achievement required*