

**Salah Eddin Alshaal**

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## Education

- **University of Central Lancashire** Larnaka, Cyprus  
*Masters in Computing* Sep. 2016 - Aug. 2017
  - Offered a full scholarship from the university.
  - Senior Thesis: Personalising Data Visualisation based on the user cognitive abilities.
- **University of Central Lancashire** Larnaka, Cyprus  
*Bachelor of Computing with Honours* Sep. 2012 - June. 2016
  - Highest Graduation Grade in the school of Computing. (**86%**)
  - Senior Thesis: Multi-platform Wearable's Gesture Recognition in Virtual Reality Environment.

## Work Experience

- **InSPIRE Centre** Pyla, Cyprus  
*Junior Software Developer and Researcher* September 2015 - Present
  - Part of a team developing Software and Databases.
  - Responsibilities include maintaining legacy systems and training undergraduate students on different technologies e.g. Version Control, Microsoft Stack
  - Responsibilities also include Communicating with business partners to establish connections and develop full systems.
- **University of Central Lancashire** Larnaka, Cyprus  
*Teaching Assistant* 2015 - 2017
  - Modules Taught: Games Concepts [2<sup>nd</sup> year students], Algorithms and Data Structure and Introduction to Programming [1<sup>st</sup> year students].
- **Ranorex** Graz, Austria  
*Summer Intern* June 2015 - Aug 2015
  - First Reserved Internship offer in Cyprus.
  - Responsible included researching available MV\* frameworks available for JavaScript.
  - Used TypeScript and NoSQL Database MongoDB and set-up sharding servers.
- **Ranorex** Graz, Austria  
*Summer Intern* 2014
  - Produced a survey of available open-source Optical Character Recognition (OCR) engines for the .NET platform.
  - Built a benchmarking software to compare OCR libraries (auto generated images with text in them).
- **WebToDesigns** Larnaka, Cyprus  
*Summer Intern* 2013
  - Gained professional experience in front-end development i.e. Bootstrap, PHP and CMS Concrete 5

## Projects

- **PharmaTrack, Sinopsis** Nicosia, Cyprus  
*Technical Manager and Lead Software Engineer* September 2015 - Present
  - Built three-layered management system independently to **manage Cyprus pharmaceutical data** and project sales of the country using statistical models.

- Built transformation libraries to unify data from multiple source e.g. Excel files from different pharmacies into structured information in **SQL Server**
- Designed **Back-end API** to be consumed by JS/JQuery and WCF Services to be used by ASP.NET.

#### • **Aristotle Mobile Apps, InSPIRE**

Larnaka, Cyprus

*Android and iOS Developer*

*Aug. 2016 - Nov. 2016*

- Paid-project by the university to build the university apps for students to **gamify student experience**, receive badges and notifications as well as checking classes timetable and attendance
- Used Cocoapods and Gradles to incorporate tested libraries into the apps e.g. Alamofire, Retrofit, GSON.

#### • **Empathy Story Apps**

Larnaka, Cyprus

*Android Developer*

*2016*

- The developed app included a story loader, where new stories could be added through JSON models.
- Used Git and Kanban to collaborate with team members.

### Publications

”**Augmenting Virtual Reality Environments with Smart Wearable Devices**”, *Proceedings from the Conference on Mobile Data Management* in Porto, Portugal, 2016.

”**Improving QoE via context prediction: Using WiFi radiomaps to predict network disconnection**”, contributing author. *Proceedings from ACPROSS* in L’aquila, Italy, 2017.

”**A Client-Server based Platform for Improving Student Attendance using Gamification**”, Acknowledgement.

### Awards

#### **Academic Excellence Award**

2013 - 2016

*Awarded to highest grade achiever in School of Science*

*University of Central Lancashire*

#### **Internship Ambassador Award**

2015

*First internship reserved offer to Cyprus*

*IAESTE*

#### **Certificate of Appreciation for Voluntary work**

2014 - 2015

*Volunteering activities at the university*

*University of Central Lancashire*

#### **NASA Space Apps Challenge**

2013

*2<sup>nd</sup> place on the National level*

*NASA*

#### **Microsoft Hackathon**

2014, 2015

*2<sup>nd</sup> place on the National level*

*Microsoft*

#### **Hack Cyprus**

2013 - 2016

*Annual participation*

*Enterprise Link*

### Skills

#### Languages :

- English: Full Professional Proficiency.
- Arabic: Native Proficiency.
- German: Elementary Proficiency.
- Dutch: Elementary Proficiency.

#### Programming Languages :

- C#, JavaScript, Swift, Python, Java, C++
- SQL [SQL Server, MySQL, PostgreSQL], NoSQL [MongoDB]
- TypeScript, VB.NET, Zsh.

**Professional Technologies :**

- ASP.NET, .NET Core, WPF, WCF, UWP
- Unity, Git, Azure, Android, iOS
- MV\* frameworks, markdown and UML

**Used Technologies :**

- VueJS, F#, Ruby on Rails and TFS

**Agile Development:** Used SCRUM and eXtreme Programming (XP) in fast paced environment with focus on prioritising features and quality assurance.

**Miscellaneous :**

- Excellent self-learning for new concepts.
- Great Communication skills through teaching undergraduates and research centre members about different technologies.
- Precise but extensible databases architecture design.

## Community and Communication

**2017** Trained the IT department to use Aristotle system, and trained the UK team to use my thesis project.

**2015–2016** Microsoft Student Partner.

**2014** Team Leadership Certificate

## Interests

**Professional:** Research and using cutting-edge technologies.

**Personal:** Travelling, Running and completing my Bucket List.