Yousef Hazem Abdalla

1st Class Electronic and Computer MEng Graduate

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Education

Electronic and Computer Engineering MEng   Sept 2017 - Aug 2021
University of Nottingham

Obtained Grade : 1st Class Honors

Project Involvement:

- Construction and programming of autonomous robotic car with various capabilities.
- Development of a Doppler radar-based speed sensor prototype system.
- Development of a Cross-platform 3D model viewer.
- Development of an Off-grid Sensor Network for Environmental Monitoring of Remote Locations.
- Cybersecurity project titled "Software Memory Corruption Vulnerabilities: Exploitation and Mitigation Techniques."

Awards and Scholarships:

- High Achiever Scholarship
- Nottingham Advantage Award

A-levels and GCSE's   Oct 2014 - June 2017
British Council

A-Levels:

- Mathematics (A*)
- Computer Science (A)
- Physics (A)

GCSE's:

- 5 A*
- 3 A

Work experience

Network Field Training Program   Sept - 2019
Huawei, Saudi Arabia

Acquired technical knowledge of Network Infrastructure through:

- Participating in the designing of Riyadh Bank New Tower Network Topology.
- Installation and configuration of Huawei routers, aggregator switches and access switches.
- Implementation of Huawei Management System Software (eSight)

Banking and Security Intern   Dec 2018 - Jan 2019
Al-Rajhi Bank, Saudi Arabia

Completed training in:

- Principles of Banking
- Banking Introduction Program
- Sales Skills and Customer service
- Anti-Money Laundering and Countering Financing of Terrorism
- Detection of Forgery and Falsification
- Fraud Protection

Key Skills

Experience in various programming languages. (C, C++, Java, x86 Assembly)

Experience with Database Management Systems. (MySQL, MS-SQL Server)

Experience with various web developing languages. (HTML, CSS, JavaScript, Node.js, React)

Experience with various programming paradigms. (Parallel & Concurrent Programming, AI & Machine Learning)

Knowledge of big data analytics tools. (Hadoop, Spark, Hive)

Experience with varying operating systems. (Windows, Linux, MacOS)

Languages

English

Near-native English speaker.

Arabic

Mother-tongue.

Spanish

Limited working proficiency.

Additional Online Courses

- Data Science
- Cloud Computing
- Big Data
- Bitcoin and Blockchain
- Cybersecurity
- Technology Internship Experience Certificate - Bright Network

Leadership Experience

Peer Mentor Leader
Sept 2020 - Present

University of Nottingham

- Provided guidance and support to the new team of Peer mentors within the Faculty of Engineering.

Egyptian Society President
Sept 2019 - June 2020

University of Nottingham

- Brought together all Egyptian students in the university by organising cultural and social events.
- Students > 100
- Hosting collaborative events with other societies of different cultures.

Skill set acquired:

- Team management skills.

Hall President
Oct 2018 - June 2019

University of Nottingham

- Representative of the Students' Union; responsible for engaging the residents in my hall by organising events and improving the hall's facilities.
- Budget > **£10000**
- Students > **250**

Skill set acquired:

- Public speaking and campaigning skills.
- Financial, time, and team management skills.

Other Positions of Responsibility

Student Union Executive Officer
May 2019 - Present

University of Nottingham

- Part of a group of 21 officers responsible for organising events for all 15 halls in the university for the first 6 weeks of term.
- Mentoring the JCR committees taking over individual halls after the 6-week period.
- Students > **6000**
- Budget > **£30000**

Skill set acquired:

- Collaboration and team working skills.
- Financial and Time Management.

Peer Mentor, Faculty of Engineering
Oct 2019 - June 2020

University of Nottingham

- Provided support and guidance in person and over email to the new students of the Faculty of Engineering.

Skill set acquired:

- Networking skills.

Switch-off Student Ambassador
Sept 2018 - June 2019

University of Nottingham

- Participated in campaign to help raise awareness about energy saving and global warming.

Skill set acquired:

- Accomplished verbal communication skills.
- Promotional public speaking skills.