Koral Hassan

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EDUCATION

Imperial College London   *2015 - 2019*
Meng Electrical & Electronic Engineering   *London, UK*

Priory Academy LSST   *2013 - 2015*
A-levels: Maths A*, Further Maths A, Physics A, Turkish A, Electronics B   *Lincoln, UK*

EXPERIENCE

(Tesco) dunnhumby | Associate Data Scientist   *2019 - 2020*
Graduate scheme rotations in Software Engineering & Research Data Science.   *London, UK*
- » Implemented and productionised new modelling methodology for impact of promotions and delists.
- » Became scrum master. Took charge of story grooming and led stand-up meetings.
- » Created a web app to display capabilities of the latest science using Dash and React.

(Microsoft) Metaswitch | Software Engineer Intern   *April - September 2018*
Worked as part of the Fixed Voice Systems Testing Tools scrum team.   *Enfield, UK*
- » Won intern week hackathon by automating canteen transactions using computer vision.
- » Implemented reporting and diagnostics for MetaView Server errors, saving manual effort.
- » Developed web-apps for investigating data about timelines, fault reports, and automated tests.

Imperial Electrical & Electronic Engineering Society | President   *2017 - 2018*
Elected to run a society of over 1000 members, leading a committee of 12 people.   *London, UK*
- » Negotiated with 75+ companies, obtaining new sponsors such as Google and Goldman Sachs.
- » Leveraged income to collaborate with societies and universities. Achieved record participation rates.
- » Led planning to forecast workshops, talks and events, allowing better sponsor involvement.

μBoard | Founder   *2016 - 2017*
Product proposal for a coursework was part of the 25% of submissions selected. Later   *London, UK*
won the independent £2000 Enterprise Boost Grant to continue the project as a start-up.
- » Identified industry-wide issue of digitising academic documents. Developed a technical solution to it.
- » Implemented project management tools to track progress of team and assist with delegation, allowing us to intervene on problematic tasks.
- » Learnt about USB HID interfacing, developed code for an Arduino microcontroller.

ACHIEVEMENTS & QUALIFICATIONS

Facebook Regional Hackathon | 3rd Place   *2018*
Built Android app that tweaks facial expressions using Microsoft Azure API's.   *London, UK*

Microsoft 3Hack | Judge   *2018*
Evaluated product pitches in terms of viability, innovation and design.   *London, UK*

Institute of Leadership and Management | Level 5 Award   *2017*
Wrote 2 reports detailing techniques for management of volunteers.   *London, UK*

Old Centralians' Trust | Student Activity Award   *2017*
Rewarded for all-round involvement in university life.   *London, UK*

SKILLS

Technical: Python, PySpark, SQL, C/C++, MATLAB, TypeScript, F#, Verilog HDL, ARMv7 ISA
Web & Design: HTML/CSS/JavaScript, Dash, Flask, Django, LaTeX, Adobe Suite