Koral Hassan

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EXPERIENCE

(Tesco) dunnhumby | Data Science Engineer
2019 - Present
London, UK

Worked for 6 months each in 3 teams as part of Technical Graduate Scheme, then promoted to full-time role in the incubator arm of the company.

» Developed a novel model for calculating impact of promotions, reducing RMSLE by 25%. It replaced existing method in our most popular product (Shop on Lab) and is used thousands of times daily.
» Implemented a pipeline for extracting products from images of receipts. It is actively being used by the HuYu mobile app (1M+ downloads).

(Microsoft) Metaswitch | Software Engineer Intern
April - September 2018
Enfield, UK

Worked as part of the Fixed Voice Systems Testing Tools scrum team.

» 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
London, UK

Elected to run a society of over 1000 members, leading a committee of 12 people.

» 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
London, UK

Product proposal for a coursework was part of the 25% of submissions selected. Later 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.

EDUCATION

Imperial College London
2015 - 2019
London, UK

Meng Electrical & Electronic Engineering

Priory Academy LSST
2013 - 2015
Lincoln, UK

A-levels: Maths A*, Further Maths A, Physics A, Turkish A, Electronics B

ACHIEVEMENTS & QUALIFICATIONS

Facebook Regional Hackathon | 3rd Place
2018
London, UK

Built Android app that tweaks facial expressions using Microsoft Azure API's.

Microsoft 3Hack | Judge
2018
London, UK

Evaluated product pitches in terms of viability, innovation and design.

Institute of Leadership and Management | Level 5 Award
2017
London, UK

Wrote 2 reports detailing techniques for management of volunteers.

Old Centralians' Trust | Student Activity Award
2017
London, UK

Rewarded for all-round involvement in university life.

SKILLS

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