Majd Yousof

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EDUCATION

MEng Civil Engineering | Imperial College London　　　　　　　　　　**OCT 2021 – JUN 2025**

Predicted Grade: **1**ˢᵗ, *Third year grade:* **1**ˢᵗ

- **Thesis Title:** Conditional benchmarking of public transport performance using Machine Learning algorithms.
- **Relevant Modules:** Machine Learning, Operations Research and Systems Analysis, Transport Demand and Economics, Computational Methods, Mathematics, Statistics.
- President's Black Heritage Scholarship and Peter Fraenkel Prize recipient.

A-Levels | Dunraven School　　　　　　　　　　　　　　　　　　　　**SEP 2019 – JUN 2021**

Mathematics (A*), Further Mathematics (A*), Physics (A*)

PROFESSIONAL EXPERIENCE

Software Engineering Intern | *Maven Securities*　　　　　　　　　**JUN 2024 – AUG 2024**

- Designed and implemented a new internal technology support portal to replace a third-party service, saving the company **£20,000+** per annum finishing the project **3 weeks** ahead of schedule.
- Successfully created and pitched an MVP for a new internal permissions management system to provide self service for employees to reduce the amount of related tickets within **2 weeks**.
- Liased with internal stakeholders to gather requirements and feedback, leading to a **90%** satisfaction rate.
- Attended C#, C++, React and Options Market Making training sessions to improve technical knowledge.

Undergraduate Researcher | *Imperial College London*　　　　　**JUN 2023 – SEPT 2023**

- Recieved the President's Black Heritage Scholarship award to conduct a research project investigating the Granger causal relationship between mobility and COVID-19 using novel methods.
- Authored a paper that was accepted into the International Conference of Hong Kong Society for Transport Studies for oral presentation (https://www.hksts.org/conf23l.pdf) although unable to personally attend due to unforeseen circumstances.
- Analyzed and visualized **10GB+** of data using Python and R to run statistical tests and identify trends.

Technology Spring Intern | *Maven Securities*　　　　　　　　　　**APR 2023 – APR 2023**

- Selected as **one of 15** to attend the technology insight programme.
- Participated in a **3-hour hackathon** analysing PCAP files in Python, resulting in a return offer.

Technology Spring Intern | *JP Morgan & Chase*　　　　　　　　　**APR 2023 – APR 2023**

- **Top 2.5%** of applicants in the UK invited to attend the technology insight programme.
- Participated in a **12-hour hackathon**, focusing on the backend of a web app using Flask and SQLite3.

Spring Intern | *Deloitte*　　　　　　　　　　　　　　　　　　　**APR 2023 – APR 2023**

- **One of 34** students in the UK invited to the Black Business Professionals insight programme.
- Pitched a consulting presentation to senior professionals following a rigorous SWOT and PESTEL analysis of a start-up.

LEADERSHIP AND EXTRACURRICULAR

Vice President | STEMMuslims　　　　　　　　　　　　　　　　**OCT 2023 – JUN 2024**

- Led a team of **10** committee members to organize and host **10+** events with major consulting (**MBB**), tech (**Amazon, IBM etc.**) and scientific companies as well as academics from renowned institutions (**Oxford, Caltech etc.**) and journals (**Nature Cell Biology**).
- Organised and hosted a **300+** attendee flagship careers fair with **8 keynote talks** and **15+ stalls**, recieving incredible feedback from both attendees and stall vendors.

Sponsorship Officer (Founding Member) | STEMMuslims　　　**OCT 2022 – JUN 2023**

- Planned and executed a hybrid speaker event with **40+** attendees, resulting in the speaker's offer to personally submit **10 CVs** to Jacobs KSA HR afterwards due to its exceptional outcome.
- Coordinated a successful joint event with a fintech firm achieving **100+** participants on campus, and subsequently earned an invitation to visit the company's UK headquarters to meet with top executives.

ACHIEVEMENTS, SKILLS & INTERESTS

Technical Skills: Python, MATLAB, R, C# (.NET, ASP.NET), C++, Typescript, React, Kubernetes, LaTeX.

Achievements: Peter Fraenkel Prize for **Best Third Year Group Project** (2024), Design Week **Best Crane (2022)**.

Interests: Fashion, PC building, Wood Carving, Gym.