

David Aske

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Education

Imperial College London

Sep. 2023 – PRESENT

BEng/MEng Design Engineering

- Accreditation: Institute of Mechanical Engineers (IMechE), Institute of Engineering Designers (IED), Institute of Engineering and Technology (IET)
- First-year modules: Engineering Mathematics, Computing, Material Science,

Dulwich College, Singapore

Sep. 2019 – Jun. 2023

UK A levels

- Physics, Design & Technology, Mathematics, Further Mathematics
- Achieved Grades: A* A* A* A*

Projects

Data Analytics Internship at Mobility Tech Start-up, Karfu

Jul. 2022

- Selected for competitive Imperial Exclusive Opportunities SME start-up scheme
- Worked with the founding team to design the specific project outcomes and reported on a weekly basis
- Gathered, verified and sorted environment impact data on the production and disposal of ICE and Electric cars, eBikes and eScooters and their batteries
- Independently undertook additional training in Excel/VBA to develop a skillset in this area

First Year Computing Applications Project

Jul. 2022

- Programmed an interactive web application using client-server architecture, incorporating both functional and asynchronous programming features
- Developed front and back-end elements using JavaScript, HTML, and CSS languages
- Implemented an effective debugging strategy to identify, analyse and fix errors in code and ensure seamless program flow.

Additional Experience

Student Ambassador Outreach & University PromoGon – Imperial College London

Jun. 2022 – Jun. 2023

- Discuss university experience and application on panels for prospective students
- Mentor groups of school children on campus tours and tutor at summer outreach schools
- Involved In content creation for university social media posts and the international student brochure

Student Stem Symposium – Organiser and key speaker.

Jan. 2022 – Jun. 2023

- Organised activities for
- Presented to over 200 attendees including members from the Advanced Remanufacturing and Technology Centre (ARTC) in Singapore

Skills

Coding: Python, MATLAB, app development: Swift, Swift UI, web development: JavaScript, HTML, CSS

Adobe Suite: InDesign, Photoshop, Illustrator, Premiere Pro

3D Design: Solidworks, Fusion 360, Blender, Finite Element Analysis

Additional Information

Awards: Offered Chancellor's Award: \$40000 academic Scholarship for outstanding achievement (2023)
UKMT Senior Category Gold Award x2 (2022, 2023)

Clubs: Imperial NumerAI team, Data Science Society, Imperial College Badminton Team