

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, and Material Science.

Dulwich College, Singapore Sep. 2019 – Jun. 2023

UK A levels: Physics, Design & Technology, Mathematics, Further Mathematics

Achieved Grades: A* A* A* A*

UK IGCSE's: 11 IGCSEs

Achieved Grades: eight 9's and two 8's

Projects

Data Analytics Internship at Mobility Tech Start-up, Karfu Jul. 2022

I was selected for a competitive Imperial Exclusive Opportunities SME start-up scheme where I worked with the founding team to design the specific project outcomes and reported on a weekly basis to my manager. Later on, I gathered, verified and sorted environmental impact data on the production and disposal of ICE and Electric cars, eBikes and eScooters and their batteries. From this, I gained additional training in Excel/VBA to develop a skillset in this area.

First Year Computing Applications Project Jul. 2022

I programmed an interactive web application using client-server architecture, incorporating both functional and asynchronous programming features. This involved developing the front and back end elements using JavaScript, HTML and CSS languages. Afterwards, I implemented an effective debugging strategy to identify, analyse and fix errors in code and ensure seamless program flow.

Additional Experience

Student Ambassador Outreach & University Promotion – Imperial College London Jun. 2022 – Jun. 2023

I discussed my university experience and application on panels for prospective students. Additionally, I mentored groups of school children on campus tours and tutor at summer outreach schools. Finally, 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

I was a lead organiser for the student stem symposium which allowed students to showcase their stem related projects. I was also a key speaker and presented to over 200 attendees including members from the Advanced Remanufacturing and Technology Centre (ARTC) in Singapore.

Skills

I have a range of skills relevant to data science roles at Thorogood. I have been coding for several years in Python, and MATLAB and have made several apps/websites in Swift, Javascript, HTML and CSS.

I am excellent with the Adobe suite such as InDesign, Photoshop, Illustrator and Premiere Pro. I also am capable with Solidworks, Fusion 360, Blender, and ANSYS

Additional Information

I was offered the Chancellor's Award which is a \$40000 academic scholarship for outstanding achievement (2023) and I am a member of Imperial's NumerAI team, the data science Society, and Imperial College's Badminton team.