Ciara Bates

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I am a student at the Dyson School of Design Engineering at Imperial College London. I have completed 2 years of my degree with an average of 70% and have just started by 3rd year of study.

Education

Imperial College London - Design Engineering MEng   OCTOBER 2020 - PRESENT

Modules in which I received >70% : Industrial Design, Computing, Finite Element Analysis, Data Science, Electronics, Mechanics, Production & Materials, Sustainable Design, Intro to Design Engineering
Elective courses: Introduction to Philosophy (Distinction), Creative Thinking (Distinction)

Sixth Form College Farnborough - A Levels   SEPTEMBER 2018 - JUNE 2020

I completed my A-levels in Maths, Physics and Graphic Design, achieving an A* in all three. I was also a student representative for the Graphic Design department, helping with open days and presenting my work at a student exhibition at the Tate Modern.

Employment

Crookham Village Post Office - Cashier and waitress   AUG 2018 - SEPT 2019

This job gave me first-hand experience with customers, which improved my people skills. It also gave me experience working within a small business which required me to have a range of responsibilities.

Waitrose, Fleet - Customer assistant and supervisor   OCT 2019 - SEPT 2020

I started as a cashier and was promoted to a supervisor, helping to train new employees and manage their break schedules. I was able to gain an insight into the workings of a large company and work within a team of 50+ people.

Imperial College - Student Shaper   JULY 2022 - SEPT 2022

I collaborated with one of my professors to transition the Finite Element Analysis course from Solidworks to Ansys in order to fix compatibility issues. The project involved designing and writing 8 weeks of updated tutorials and creating helpsheets to ensure seamless transition to the new software.

Events & Achievements

➔ **Headstart Program 2019**, *University of Salford*
This program was aimed at women studying STEM, highlighting the importance of diversity within the field. I achieved an Industrial Cadets Silver Award for the final group project on renewable energy experimentation.

➔ **2022 Dessoc Makeathon**, *Dyson School*
My group was one of the 3 winners selected by the CEO of Atmo.

➔ **Dessoc Open House 2022,** *the Great Exhibition Road Festival*
As well as presenting my work as part of the exhibition, I also helped with greeting attendees at the event.

➔ **Adobe Digital Edge Awards 2022 -** Finalist

Volunteering

➔ **Inventory sorting,** *Hart Food Bank - I spent my free time helping in the warehouse*
➔ **Head Girl,** *Calthorpe Park Secondary School - I organised events to raise >£3000 for charity*
➔ **Young Leader,** *Crookham Rainbows - I helped to run meetings for my local Rainbows group*

Skills & Software

➔ **Coding / Electronics :** Python, MATLAB, Arduino, Colab Notebooks, HTML, CSS, JavaScript
➔ **Design / Presentation :** Figma, Adobe Photoshop, Illustrator and InDesign
➔ **CAD / Rendering / FEA :** Solidworks and Solidworks Simulation, Blender, Fusion 360, Keyshot, Ansy