

# Ciara Bates

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I am a second year student at the Dyson School of Design Engineering at Imperial College London. I have a particular interest in sustainable design with a human-centred approach.

## Education

**Imperial College London** - Design Engineering MEng

OCTOBER 2020 - PRESENT

Projects include:

- Industrial Design -
- Physical Computing (aka 'Gizmo')
- FEA
- Data Science
- Electronics 1

**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 has given me first-hand experience with customers as well as teaching me how to clean and maintain the shop so it is presentable to customers.

**Waitrose, Fleet**- Customer assistant and supervisor

OCT 2019 - SEPT 2020

This job has given me first-hand experience with customers as well as teaching me how to clean and maintain the shop so it is presentable to customers.

**Imperial College** - Student Shaper

JULY 2022 - SEPT 2022

This job has given me first-hand experience with customers as well as teaching me how to clean and maintain the shop so it is presentable to customers.

## Events and Achievements

→ **Headstart Program 2019**, *University of Salford*

This opportunity was aimed at women interested in 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 of Design Engineering*

My group was one of the 3 winners selected by Atmo CEO

→ **Gym Hackathon**, *in partnership with Brighton University*

My group was one of the 3 winners selected by Atmo CEO

→ **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 and setting up the stands for the event.

→ **Finalist, Adobe Digital Edge Awards 2022**

My group was one of the 3 winners selected by Atmo CEO

## Volunteering

→ **Inventory sorting, Hart Food Bank** - I spent my free time last summer helping in the warehouse

- Head Girl, *Calthorpe Park Secondary School* - I organised events that raised over £3000 for charity
- Young Leader, *Crookham Rainbows* - I helped in organising and running meetings for my local Rainbows group

## Skills and Software

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