

# Zoe Hall

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Dual Nationality: British, Australian  
Full Driver's License (UK)

## Overview

Final year MEng Design Engineering student at Imperial College London, graduating in 2026 with interest in functional design, manufacturing, and product development within mobility, automation and robotics. I have a strong work ethic with over 12 months relevant work placements. I am now looking for a graduate or placement opportunity where I can utilise my knowledge and experiences.

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## Education

*Imperial College London, UK*

**MEng Design Engineering** | 2022 - 2026

Relevant modules: Physical Computing, Mechanics, Robotics, Computing, Design (advanced industrial, sustainable, human centred), Thermofluids, Electronics, Material science, Manufacturing methods.

*Expected first class honours. Accredited by the Institution of Mechanical Engineers, IED, and IET.*

*Godalming college, UK*

**A-Levels** | 2020 - 2022

A\* A\* A (Maths, Further Maths, Physics)

11 GCSEs grades 7 - 9 (A - A\*) including English and Maths

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## Technical Proficiencies

**CAD & Visualisation:** Fusion 360, Onshape, SolidWorks, PTC Creo, Sketchup, Blender, Rhino, Keyshot

**Computer programming:** Python, Arduino, CSS, HTML, JavaScript, MATLAB

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## Work Experience

Cordon Technologies, London UK: *Sustainable Agri-tech start up*

**Industrial Design Engineering Intern** | April - September 2025

- Adapted to a fast-paced startup environment, taking ownership of the product's external packaging; a sheet metal enclosure considering aesthetics, accessibility, manufacturability for small-batch and scalable production.
- Built the liquid pesticide subsystem, working on pump configurations, flow management, and test validation to ensure safety, efficiency, and integration within the overall product.
- Conducted rapid prototyping, field testing, and on-site validation with partner vineyards, applying PA1 pesticide certification and adapting designs based on real-world performance.
- Developed core branding principles, new product logos, and full industrial design to support sales, marketing and business development.

Aergility, FL USA (part time, remote): *Cargo UAV startup*

**Design Engineering Intern** | September 2024 - January 2025

- Developed modular storage system for efficient component folding and packing for transportation.
- Created concise animations using blender to communicate concepts.

Aixtron LTD, Cambridge UK: *Semiconductor manufacturing R&D*

**Operation Engineering Intern** | July - September 2024

- Redesigned customer tools used to operate advanced machines for cost reduction and improved usability.
- Updated system controls to include new pneumatic components across multiple machines.
- Used SAP to manage part inventories and standardise customer tools across product lines

Stonegate group, London UK

**Front of house staff** | June 2023 - June 2024

- Ran event spaces hosting up to 100 customers; managed teams and co-ordinated high-volume service.

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## Interests and Hobbies

Member of the university handball team, and treasurer (24-25), Ceramics (since 2022), Guitar (since 2017)