

Summary

Third-year MEng General Engineer at the University of Sheffield (First-Class standing, 76% average) specialising in mechanical engineering. Proven track record in CAD modeling, simulation, technical reports, and team-based mechanical design – from Energy-from-Waste facilities to biomimetic AUVs. Strong practical work ethic, highly dependable, and calm under pressure.

Higher Education

MEng General Engineering – University of Sheffield 2024 – present

- On track for First-Class Honours (76% second-year avg)
- Key Modules: Thermal & Fluids (87%); Materials (81%); Electromechanical (79%)

Engineering Projects

Distinction – Engineering You're Hired (Jan 2026)

- Led a team to design and pitch a self-sufficient life-support solution for Mars mission expansion; voted most effective solution and presentation.

Pocket-Sized Inflatable Helmet (Independent R&D)

- Experimented with collapsing structures and carried out market research for an ultra-compact, pneumatically inflated bicycle helmet.
- Fabricated prototypes using TPU-laminated nylon, testing thermal bonding techniques, airtight sealing, and pressure retention.

Biomimetic AUV Design and Construction

- Co-designed and constructed a fully-functional submersible robotic vehicle modelled on biological propulsion systems.
- Utilised computational analysis to produce full-detail manufacturing reports for theoretical mass-production.

Waste Management Facility Design Project

- Engineered the mechanical and process flow of a large-scale Energy-from-Waste (EfW) facility, covering waste sorting, incineration, and energy recovery.
- Communicated engineering decisions through a presentation, thorough financial and feasibility analyses, and a formal tender proposal.

Distinction – Global Engineering Challenge (Jan 2025)

- Planned, evaluated, and presented a sustainable transport solution for rural South Africa, applying problem-solving and collaborative decision-making under real-world constraints.

Technical & Professional Skills

Software & CAD: Fusion 360, MATLAB, ANSYS

Practical & Workshop: 3D Printing, Soldering, Machining

Engineering Methods: Thermal & Fluid Modelling, Prototyping, Technical Pitching & Documentation

Work Experience

Referee | Football Association 2019 – present; part-time

Officiate competitive matches, make decisive calls under pressure and manage real-time conflict.

Grill Chef | Gourmet Burger Kitchen July – Sep 2026; full-time

Operated a high-volume kitchen section during peak hours, enforcing strict safety standards and tracking timing.

Retail Assistant & Kitchen Staff | Brindisa Nov 2023 – Aug 2025; part-time

Adapted across retail, sales, and kitchen sections in a fast-paced environment; contributed to record holiday sales.

Receptionist | Hotel Domaine Du Lazaret Sep – Nov 2023; full-time

Coordinated front-desk operations and provided bilingual (English/French) customer support and problem-resolution.

Events Crew & Hospitality | Various 2023 – 2026; part-time

Managed heavy bar service and logistical site setup/breakdown under tight event schedules.

Education

The Latymer School (2016 – 2023)

A-Level: Maths (A*), Physics (A), French (A)

AS-Level: Economics (A)

GCSE: Grade 9 (five), Grade 8 (five)