

Nicholas Elton

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PROFILE

Design Engineering undergraduate at Imperial College London with strong interests in product design, CAD, and user-centred engineering. Experienced in leading and delivering design projects from concepts, through CAD development and beyond, seeking internship opportunities in engineering, architecture and product design.

EDUCATION

Imperial College London MEng Design Engineering

2025 –

- Integrated programme combining engineering analysis, human-centred design, and creative practice.
- Core areas: engineering mathematics, mechanics, computing, materials and manufacturing, electronics, data science, design.
- Tools: Autodesk Fusion & Inventor, Rhino3D, 3D printing, Adobe Creative Cloud, MATLAB, Python, Overleaf.

Dulwich College

2018 – 2025

- **A-Levels:** Design & Technology (A*), Mathematics (A), Physics (A), Further Mathematics (B).
- **GCSEs:** 11 GCSEs (9 Grade 9s, 1 Grade 8, 1 Grade 7).
- **Languages:** English (native), Dutch (fluent), Spanish (basic).

EXPERIENCE

HPP - Architecture Intern

2026

- Developed architectural concepts through sketching, precedent research, site analysis and digital modelling, considering form, function and context throughout early-stage design development.
- Produced visual presentations using Adobe Illustrator and InDesign to communicate design concepts, research and development.
- Developed a detailed 3D model of a residential building in Rhino, strengthening my understanding of architectural modelling and spatial design.

Pilbrow & Partners - Model shop intern

2026

- Supported architectural model making and prototyping, developing hands-on experience translating digital designs and drawings into accurate physical models.

Calligaris - Furniture Design Shadowing

2026

- Shadowed the furniture design and development process, gaining insight into how concept, materials, manufacturing and commercial considerations shape products from initial design through to production.

ICBC - Social Media Manager

2025 –

- Manage and create social media content for Imperial College Boat Club, covering training, racing and club activities while developing the club's visual identity and online presence.
- Over 1.2 Million views last year, 6000+ followers accumulated.

Lontra Compressors — Engineering Shadowing

2024

- Shadowed a lead engineer at Lontra in their day-to-day duties.
- Engaged with engineers across the team to understand applied technical skills and workflows in industry.
- Observed and discussed CAD workflows and tolerance decisions within an industrial design context.

President of Physics, F1 and Engineering Society

2024 – 25

- Led and coordinated society activities, supporting student engagement across physics, engineering, and motorsport interests.
- Planned events and worked with committee members to allocate responsibilities and manage delivery.

Coaching / Mentoring (Rowing)

2023 – 25

- Mentored and coached Year 9 rowers, supporting technical development, teamwork, and confidence.
- Planned and delivered structured on-water and land-based training sessions in collaboration with senior coaches.
- Took responsibility for athlete safety and engagement while communicating technical concepts clearly.

PROJECTS

[Selected Design Projects - Design Portfolio](#)

2025 –

- Portfolio of product, engineering and human-centred design projects spanning CAD development, prototyping, fabrication, electronics, data analysis and technical research.

OTHER ACHIEVEMENTS & INTERESTS

- **Rowing:** Rowed internationally for England; Captain of Boats at Dulwich College (Head of Rowing Programme); Rower of the Year; part of the fastest crew in school history, breaking a long-standing school and Henley record.
- **Martial Arts:** Black Belt in Taekwondo.
- **Design & Creativity:** Participated in a jewellery design fundraiser, raising money for the Kakuma Refugee Camp (MyStart Charity); DJing, including music curation and live mixing.
- **Sporting Interests:** Football (Dulwich Village FC / Crystal Palace Development), Snowboarding.