JEREMY SIMPSON-BROWNE

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Engineering with Management student at TCD combining technical engineering, entrepreneurship and commercial execution, public speaking and leadership. Seeking Internships for summer 2027.

EDUCATION

TRINITY COLLEGE DUBLIN -- Integrated Masters (MAI), Mechanical Engineering with Management
2023–2028 · Currently 4th year · 3rd year grade: 2.1, Trajectory for Final Grade: 1.1
KTH ROYAL INSTITUTE OF TECHNOLOGY -- Exchange Year
2026–27 · Stockholm · Engineering & Finance
INSTITUTE OF EDUCATION -- Leaving Certificate · 601/625 points
H1: Maths, Applied Mathematics, Physics, Biology · H2: Economics, Computer Science, English, DCG

EXPERIENCE

TRINITY FLOATING WIND Co-Founder & Head of Engineering June 2024 – August 2026, Dublin

- Co-founded Ireland's first student team for energy infrastructure, focussing on floating offshore wind, building the technical organisation from the ground up and working closely with industry creating talent pipelines and events.
- **Led 30+ engineers and physicists** through concept development, engineering design, prototyping and testing of an industry first floating wind platform design, achieving **1st** for **power generation efficiency** at **international competition**.
- Pitched and **secured €30K+ corporate sponsorship** from Accenture, Ørsted, ESB, EirGrid and other industry partners.

DUBLIN OFFSHORE Design Engineer Internship May – June 2026, Dublin

- Designed **modular version** of mooring load reduction device, **enabling site-specific** interchangeability **across global projects**. Researched material choices, fabrication options and deployment strategy. CAD, Python, FEA modelling.
- Developed an **AI/LLM roadmap** for automating compliance checks and **project-scoping workflows** within the start-up.

EIRGRID (Irish National Grid) Chief Infrastructure Office, Internship June 2025 – August 2025, Dublin

- **Supported grid-connection assessments** covering large-scale demand, generation and battery storage.
- Analysed and prepared data on **future data-centre** connection demand from **AWS, Microsoft and Google** till 2032.
- Built a **nationwide live project-data and analytics dashboard** from legacy systems, adopted for ongoing internal use.
- Developed a **live executive briefing system** used to consolidate infrastructure information for **senior stakeholders**.

3D PRINTING & ELECTRONICS BUSINESS Founder 2023 – 2026, Dublin / London

- Built and operated an **e-commerce hardware business** across product design, CAD, manufacturing, advertising, electronics, international fulfilment and customer operations on **Etsy/Shopify** alongside my university degree.
- **200+ customers**, achieving a **4.6/5 average rating** and **€15K revenue** in 2024/25 taking items from pop culture to life.

ACHIEVEMENTS

- SAILDRONE RACING - Skipper & Builder
  - Designed and built ~2m semi-autonomous sailing drones. **2nd International Open · 3rd British Open**.
- Trinity Engineering Society - Events Officer
  - Organised 18 events / **1,500+ attendees**, including a **350-person black-tie ball** with **€10K industry support**.
- Patch SF Fellowship 2025
  - 1 of 12 selected for a competitive founder programme; 12-day San Francisco programme with exposure to **Stripe CEO, OpenAI CFO and the wider YC ecosystem**. Funded by Patch, OpenAI, Stripe.
- Trinity LaunchBox - **2nd / 70 teams**
  - Spike-Spy drink-safety device; received investment backing offer. **Pitched and demoed**.
- Sustainability Leadership Award - Trinity College Dublin
- Model United Nations - **Best Delegate**
  - Economics & Finance committee at **Irelands largest conference**.

Skills: CAD (Fusion 360, SolidWorks, Inventor, Onshape), Electronics, MATLAB/Simulink, Power BI, Excel, 3D printing, FEA (Ansys), Fundraising, Pitching, Public Speaking, Sensitivity Analysis, Budgeting, Python, Project Management. Native English

Interests and Hobbies: Tennis, Surfing, Gaming, Travelling, Public Speaking, International Affairs.