

# Eoghan Collins

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## Professional Summary

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Founder, engineer, and Web Summit 2025 Scholar with a track record of building startups and connecting with global tech leaders. At Web Summit, networked with executives from NVIDIA, Qualcomm, Cerebras, Siemens, and Wandercraft. Founded StudySmith (NDRC Founders' Weekend winner), built an Irish power grid simulator, and co-founded ForceField sports sensors. Experienced event host, featured speaker, and fluent Spanish speaker. Ready to represent Web Summit to startup ecosystems worldwide.

## Web Summit 2025 Scholar

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**Selected as 1 of 20 Irish Scholars, Web Summit Lisbon**

November 2025

- Built relationships with C-suite executives: Rev Lebareddian (VP Simulation, NVIDIA), Andy Hock (CSO, Cerebras), Aleeza Lawson (Chief of Staff, Qualcomm), and leaders from Siemens, Wandercraft, and Blaize.
- Engaged founders, investors, and startup communities across four days of conferences, meetups, and invite-only events.

## Entrepreneurship & Leadership

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**Founder & Director, StudySmith**

May 2025 - Present

- Founded AI-powered learning platform; won NDRC Founders' Weekend; pitched at NDRC Pre-Accelerator and AI Venture Forge.
- Conducted extensive user interviews with students, educators, and learning science experts across 8 universities.
- Built waiting list of 50+ signups from a single post; solo-developed full-stack AI pipeline, auth, payments, and UI.

**Co-Founder & Chief Software Engineer, ForceField (Patch Youth Accelerator)**

July 2024 - Aug 2024

- Selected as 1 of 33 for Dogpatch Labs accelerator; developed concussion detection sensors for sports.
- Led business development and presented to stakeholders including John Collison (Stripe co-founder).
- Built novel WiFi mesh network: 6,000 datapoints/s, 100m+ range (vs 20m industry standard), €35/unit.

## Events & Public Speaking

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- **Featured Speaker:** NDRC Founders' Weekend, Patch Demo Day (Dogpatch Labs), EirGrid CleanerGrid Competition (Finalist), PorterShed events, Tyndall National Institute, Photonics Ireland Conference.
- **Event Organiser:** Ran GenAI Hackathon (50+ developers) and entrepreneurship workshop (30+ researchers) at PorterShed; built event chatbot used by 50+ participants.
- **Teaching & Mentoring:** Directed electronics courses for 32 primary students (ages 9-13); led 21 peer learning sessions for 52 first-year engineering students, achieving 2-5x attendance vs other groups through gamified session design.

## Technical Experience

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**Summer Research Fellow, Tyndall National Institute**

June 2025 - Aug 2025

- Built laser power transmission system at 26% efficiency; presented results at Tyndall and Photonics Ireland Conference.
- Engaged industry stakeholders (Firecomms) on commercialisation pathways.

**Project Lead, GridAI – National Energy Grid Simulator**

Nov 2024 - Mar 2025

- Built AI-driven Irish power grid simulator in Rust: 2.5M simulation-years/hour; finalist in EirGrid CleanerGrid Competition.
- Achieved net-negative emissions pathway at €76B vs €120B industry baseline. [github.com/ETM-Code/eirgrid](https://github.com/ETM-Code/eirgrid)

**Operations & Communications Intern, PorterShed**

May 2024 - July 2024

- Authored blog posts and press releases leading to coverage in local media.

- Managed major community events and built relationships across Galway's startup ecosystem.

## Education

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University of Galway, *BEng in Electrical & Electronic Engineering*

2023 – 2027

- First Class Honours Years 1–2 (4.0 GPA); Currently Year 3.
- Excellence Scholarship recipient; 625/625 Leaving Cert (max score).

## Additional

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- **Languages:** English (native), Spanish (proficient)
  - **Technical:** C++, Rust, Python, JavaScript/React, embedded systems, hardware prototyping
  - **Other:** Karate Black Belt (training since 2011)