



Sam Dunning

[Github](#)
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**First Class Data Science graduate
and AI + full-stack engineer.**

I build AI products end to end, from the ML and data layer to production apps, in Python, React/TypeScript, Node and LLMs. I built three live products solo this year, including founding my own startup ([Maupka](#)) from scratch, with earlier research at Tyndall and cybersecurity at Kerry Group. Drawn to high-impact engineering roles, remote or Cork.

Education

Data Science & Analytics BSc

University College Cork
Sept 2021 - June 2025
First Class Honors

Second Level

Coláiste an Chraoibhín
Sept 2015 - June 2021
625 points(Max Points)

Awards & Honors

Naughton Scholarship

Naughton Foundation
Year 2021 - 2025

One of only 36 awarded for STEM undergraduates in Ireland each year.

FYP Award

YieldHub Best FYP Award
Year 2025

Was awarded the best FYP award of over 100 Data Science & Computer Science students.

Quercus Scholarship

University College Cork
Year 2022

One of the 60 UCC entry scholarships awarded across all of UCC's 1st year students.

Work Experience

Cork/Remote

September 2025 - Now

Founder & CEO, Maupka

- Built an online maths tutor for the Irish curriculum end to end: LLM tutoring, teacher dashboard, and accessibility modes. Live with paying users.

Cork

Jan 2026 - Now

Freelance AI & Full-Stack Engineer

- Build AI products end to end for clients: full-stack web apps with LLM integration. React, Supabase, Node, Vercel.

Lee Maltings, Cork

June 2025 - Aug 2025

Tyndall Research Fellowship

- Developed on the fly Bayesian learning framework for material simulation. Separately developed a webtool to allow non-technical members develop insightful graphs.

Kerry Group, Naas

March 2024 - Sept 2024

Cyber Security Intern

- Worked on the Cyber Governance team. Assisted in implementing Threatlocker companywide. Automated monthly security report generation.

Blackpool, Cork

July 2023 - Sept 2023

Bluemetrix Intern

- Developed data pipeline for new Bluemetrix tool. Ran and developed Cypress tests for Bluemetrix's main tool.

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Skills

Languages

- English (Native Level)
- Japanese (JLPT N3 Level)

Practical

- Machine Learning
- Data Science
- Deep Learning
- Data Preprocessing
- Bayesian Statistics
- Stochastic Modeling
- Neural Networks
- AI Safety/Alignment

Software

- Python
- TypeScript
- React
- [Node.js](#)
- Supabase / PostgreSQL
- LLM /APIs
- SQL
- Pytorch
- Git
- Linux / Unix, Bash
- HTML, CSS & Javascript

Hobbies

- Japanese & Polish
- Effective Altruism
- GAA Handball - Irish National Champion
- Kung Fu - Ex UCC Captain
- Guitar & Piano
- Travel
- Full Drivers License

Achievements & Experience

University College Cork, Cork

October 2025 - Now

IGNITE Startup Accelerator

- A highly competitive and international standard startup accelerator. I am also part of the biggest Irish Startup network called Patch.

Berlin, Germany

November 2025

EAGx Berlin

- An effective altruism event, where I focused on understanding how to create a startup that creates high impact.

Blackpool, UK

September 2024

ML4Good Camp

- An opportunity to upskill in deep learning, explore the existing research landscape and delve into conceptual AI safety topics for those who want to work towards making AI safe and beneficial to humanity.

Prague, Czech

July 2024

Human-aligned AI Summer School

- A week's program of intense talks and discussions from industry leading researchers from frontier companies like DeepMind.

Utrecht, Netherlands

July 2024

EAGx Utrecht

- An effective altruism event held to network and connect people in all areas of STEM to facilitate better change in the world.

April 2024

IrCPC(Irish Collegiate Programming Competition)

- Placed 10th on a team of 3 in the All Ireland Programming Olympiad.