

PROFESSIONAL SUMMARY

Student at Trinity College Dublin ready to make an immediate impact, with full software projects, in-field research and industry work experiences. Recipient of Sandford Park School Academic Scholarship, to the value of €25,000. Recipient of 2025 Laidlaw Scholarship, to the value of €10,000 in funding to conduct research. Successfully completed Trinity's start-up incubator program, Launchbox, with SpotPlots and awarded a 12-week entrepreneur residency. Developed AI-powered content generation pipelines during IBM internship, leveraging machine learning. Combining Computer Science with a Minor in Business, I apply operations, risk, and finance fundamentals to automate workflows and deliver ROI. Visit liampower.ie for complete software portfolio.

EDUCATION

BA (Hons) Major in Computer Science and Minor in Business

Apr. 2027

- Trinity College Dublin, Co. Dublin
- Current Grade: I.I, First Class Honours (4.0 GPA)

PROJECTS

AI Agentic Content Generation Pipeline (Python)

Jan. 2025

- Machine learning workflow that transforms articles into podcasts using multi-modal AI for audio
- Implemented the automation of web-data into formal articles and integrated image retrieval services

SpotPlots, Property Analytics Suite (Typescript/JavaScript)

Feb. 2025

- Full-stack development of platform that aggregates public data relevant to any Irish property
- Centralises property-specific intelligence and is built using real estate agent feedback

RESEARCH

Laidlaw Research Project on Barriers Hindering Irish SME AI adoption

Jul. 2025

- Developed scalable solutions to support SME digital transformation and competitiveness
- Used qualitative research studies to generate actionable recommendations

Prof. James Ng Research Assistant for Health-Tech AI Bot

Feb. 2025

- Tested an AI health bot's UI/UX design and conducted negative and hallucination tests
- Evaluated its effectiveness for health education, and outlined recommendations for improvements

EXPERIENCE

IBM Junior Backend Software Engineer

Jan. 2025

- Interned designing, implementing, and testing backend of AI-powered content pipeline using CI/CD
- Collaborated within agile teams, integrated APIs, and adapted to evolving requirements from clients

Walton Club STEM Educator

Jun. 2024

- Delivering engaging, interactive lessons at non-profit with hands-on experiments and critical thinking
- Utilising diverse teaching methods and managing class activities to ensure an inclusive environment

Languages: Java, JavaScript, HTML/CSS, Typescript, Python, C/C++, ARM Assembly

Frameworks: React, Next.js, Astro, Tailwind CSS, Bootstrap, Flutter, Node.js

Tools: Selenium, JUnit, Playwright, Jira, Jenkins, GitHub Actions, Postman, Pytest, unittest, PyCharm