Jake Farrell

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EDUCATION

BSc in Computer Science, *Dublin City University*　　　　　　　　　　　2022 – 2026
- Grade: First Honours (1.1) with a class rank of 8th out of 120+ students.
- Relevant Modules: Object-Oriented Programming (OOP), Full Stack Development, DevOps, Databases, Operating Systems, Data Structures & Algorithms (DSA), Systems Analysis, Networks & Internet, IT Architecture, UI/UX.

EXPERIENCE

Software Development Engineer Intern, *Workday*　　　　　　　　　Mar 2025 – Aug 2025
- Upgraded and enhanced an internal tool used to plan virtual machine capacity for Workday's Private Cloud.
- Created a Slack automation to publish dashboard status information for use by on-call engineers.
- Prepared and delivered a presentation detailing my internship achievements to 60+ employees.

Webmaster, *DCU Fotosoc*　　　　　　　　　　　　　　　　　　　　Mar 2024 – present
- Developed a full-stack website built with React, TailwindCSS and Firebase with automated content updates.
- Implemented user auth and storage via Firebase, allowing members to create their own photography portfolios.
- Since January 2025, it has gathered over 7k page views and 17 user portfolios, with 934 total photo uploads.

Webmaster, *DCU Media Production Society*　　　　　　　　　　　　Apr 2023 – Apr 2025
- Created a custom website using Bootstrap and Django, deployed via Docker and built with GitHub Actions, gathering over 12.3k page views since February 2024.
- Implemented a live donation bar for the yearly 24-Hour Broadcast, which helped boost donations with over €12,800 raised for charity.
- Maintained WordPress for The College View - DCU's Independent Student Newspaper with 6k+ articles and 13+ years of content with 48.6k page views since January 2024.

PROJECTS

Clubs & Socs API　　　　　　　　　　　　　　　　　　　　　　　　Apr 2024 – present
- Provides information about clubs & societies from universities that use Assure Memberships.
- Developed a REST API using Flask with Swagger for rendering the dashboard.
- Utilised API in Media Production and Fotosoc websites to display upcoming society event information.

Home Server & VPS　　　　　　　　　　　　　　　　　　　　　　　Mar 2023 – present
- Configured a home server and VPS running 40+ dockerised services across 3 domains.
- Services include: Websites, Media Management, Reverse Proxy, Analytics, File Sharing, and VPN.
- Created a documentation website using MkDocs to showcase services, hardware, and specific configurations.

EXTRA CURRICULAR

Chairperson, *Redbrick - DCU's Networking Society*　　　　　　　　　Mar 2024 – Mar 2025
- Oversaw the running of the society as a whole and enabled each committee member in their role and tasks.
- Led weekly committee meetings, focusing on team-building and networking with other colleges and societies.

Secretary, *Redbrick - DCU's Networking Society*　　　　　　　　　　Mar 2023 – Mar 2024
- Developed a newsletter generator in Flask with BeautifulSoup, saving valuable time during newsletter creation.
- Prepared over 40+ committee meeting minutes and newsletters for the Redbrick website.

Class Representative, *DCU Students' Union*　　　　　　　　　　　　Sep 2022 – present
- Liaising with faculty to resolve student issues regarding assessments, timetables, and examinations.

AWARDS

Tech4Good Global & Ireland Competition Winner 2022, *Huawei*　　　　　　　Jan 2023
- Represented Ireland in Athens, Barcelona, Beijing and Shenzhen with team Síolta's project Roll On.

Seeds for the Future 2022 Scholarship Recipient, *Huawei Ireland*　　　　　　Oct 2022
- 1 of 50 students selected to receive the scholarship award based on performance in the programme.

SKILLS

Languages: Python, HTML, CSS, JavaScript, C, Java, Shell, SQL, R, Prolog, Dart

Frameworks: Django, Bootstrap, React, TailwindCSS, Svelte, Express, Flutter, Expo

Technologies & Tools: Git, Linux, Docker, Make, Firebase, MongoDB, WordPress, Node.js, Jenkins, Jira