

# Jake Farrell

jake\_farrell@outlook.com | jakefarrell.ie | linkedin.com/in/jake-farrell-cs | github.com/CheeseLad

## EDUCATION

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**BSc in Computer Science**, *Dublin City University* 2022 – 2026

- Grade: First Honours (1.1) with a class rank of 7th out of 130+ students.
- Relevant Modules: Object-Orientated Programming (OOP), Full Stack Development, DevOps, Databases, Operating Systems, Data Structures & Algorithms (DSA), Systems Analysis, Networks & Internet.

## EXPERIENCE

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**Webmaster**, *DCU Fotosoc* Mar 2024 – present

- Developing a full stack website built with React, TailwindCSS and Firebase with automated content updates.
- Utilising the Stripe API to allow members to purchase society merchandise and yearly photo book.
- Implementing user authentication for members to create their own photography portfolios.

**Webmaster**, *DCU Media Production Society* Apr 2023 – present

- Created a custom website using Bootstrap and Django, deployed via Docker and built with GitHub Actions, gathering over 3.4k 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.
- Maintaining WordPress for The College View - DCU's Independent Student Newspaper with 6k+ articles and 13+ years of content with 8.7k page views since January 2024.
- Building an Android and iOS app for The College View using Flutter and the WordPress REST API.

## PROJECTS

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**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** Aug 2021 – present

- Configured a home server and VPS running 30+ dockerised services across 4 domains.
- Services include: Websites, Media Management, Reverse Proxy, Analytics, File Sharing, and VPN.
- Created a documentation website using MkDocs to showcase services and specific configurations.

## EXTRA CURRICULAR

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**Chairperson**, *Redbrick - DCU's Networking Society* Mar 2024 – present

- Overseeing the running of the society as a whole and enabling each committee member in their role and tasks.
- Leading the weekly committee meetings, with a focus on team-building and networking with other colleges and societies.

**Secretary**, *Redbrick - DCU's Networking Society* Mar 2023 – Mar 2024

- Recorded weekly meeting minutes and reminded committee members of action items.
- Wrote the weekly newsletter informing members about society news and upcoming events.
- Developed a newsletter generator in Flask with BeautifulSoup to streamline the newsletter creation process.
- Prepared over 40+ committee meeting minutes and newsletters for the Redbrick website.

**Class Representative**, *DCU Students' Union* Sep 2022 – present

- Liaised with faculty to resolve student issues regarding assessments, timetables, and examinations.

## AWARDS

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**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

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

**Technologies:** Git, Linux, Docker, Django, Make, Bootstrap, React, TailwindCSS, Firebase, MongoDB, WordPress, Svelte, Express, Node, Flutter