JAKE FARRELL

1.1 3rd Year DCU Computer Science Student

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SUMMARY

Redbrick Chairperson | DCU MPS Webmaster | DCU Fotosoc Webmaster | 2x Class Representative | Huawei Seeds For The Future Global Winner 2022
I am passionate, hardworking, creative and a dependable team player. I enjoy working on projects in my spare time and am always ready to tackle something new.

SKILLS

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

Technologies: Git, GitHub, Linux, RStudio, Docker, Django, Make, Hugo, Bootstrap, React, Tailwind, MongoDB, WordPress, Svelte, Express, Node

EDUCATION

2022 - Present **BSc Computer Science, Dublin City University** **Dublin City University**
- Year 2 Grade: 1.1 (Programming IV (OOP): 95%, Introduction to DevOps: 95%, Full Stack Development: 100%)
- Class Rank: 7th out of 130+ students
- Activities and Societies: Redbrick, Media Production, Photography, DCU Solar Racing

2016 - 2022 **Leaving Certificate, Ashbourne Community School** **Ashbourne Community School**
- Leaving Certificate Points: 543
- Activities and Societies: ACS Amber Flag Chairperson 2021-2022, Green Schools, Digital Leaders
- Awards: Engineering Student of the Year 2022, Award of Excellence 2019, 2022, Green Schools Award 2022

PROJECTS

Django, Bootstrap **DCU Media Production Society Website** **https://dcumps.ie**
Built using HTML, CSS, Bootstrap and Django, I created a custom website for DCU's Media Production Society as part of my tasks as a webmaster. It features dynamic content for our upcoming events, statistics, automated timetable data for our radio station, details about the history of MPS, committee contact information, sponsor lists and award collection.

Debian, Docker **Homelab & VPS** **https://docs.jakefarrell.ie**
I operate my own home server and VPS with a combined total of 30+ dockerised services, ranging from a file server, VPN, photo library and media server on my homelab to more public-facing services on my VPS which include my various websites, analytics and screenshot management tools. I created a documentation website using Mkdocs to showcase my configuration files to inspire others.

MongoDB, Express, **DCU Fotosoc Website** **https://dcufotosoc.jakefarrell.ie**
React, Node Currently developing a custom website for DCU Fotosoc, DCU's Photography Society using the MERN stack. It features dynamically updating event information, photo gallery, current committee list with contact details, and previous committee history. The store page uses the Stripe API to allow society members to purchase merchandise and our yearly photo book collection through the website.

Python, Flask, REST **Clubs & Societies API** **https://github.com/CheeseLad/clubsandsocs-api**
API Allows you to fetch information about clubs and societies from universities that use the Assure Memberships Platform. It's hosted on a Flask web server, with Swagger being used to render the dashboard. I utilise this API in the DCU Media Production & Fotosoc websites to display event information to their members.

Svelte, TailwindCSS, **Personal Website** **https://www.jakefarrell.ie**
Node My personal website displays my contact information and the details of my personal and college society projects with links to check out live demos and GitHub repositories. It also contains a summarised version of my relevant work experience, along with a list of my tech stack.

EXPERIENCE

03/2024 – Present **Chairperson** **Redbrick - DCU's Networking Society**
- Responsible for running the weekly committee meetings, ensuring order and time-keeping
- Overseeing the running of the society as a whole and enabling each member of the committee to do their best work

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Conflict Resolution  /  Team Communication  /  Coordination
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03/2024 – Present **Webmaster**   **Fotosoc - DCU's Photography Society**
- Developing a full stack website built using the MERN (MongoDB, Express, React, Node) to showcase all aspects of DCU Fotosoc
- Utilising the Stripe API to allow for the sale of merchandise and yearly photo book
- Liaising with the committee to develop the website with their vision in mind
`Full Stack Development  /  UI Design  /  Database Management`

04/2023 – Present **Webmaster**   **DCU Media Production Society**
- Developed a custom website using Bootstrap & Django for the society (https://dcumps.ie)
- Developed a dynamic donation bar for our yearly 24-Hour Broadcast which raised over €12,800 for Jack & Jill Children's Foundation
- Configured an email system that provides committee members with professional emails
- Maintaining a WordPress website with over 6,000+ articles and over 13+ years of content for The College View newspaper (https://thecollegeview.ie)
`System Administration  /  User Experience (UX) /  Web Design`

03/2023 – 03/2024 **Secretary**   **Redbrick - DCU's Networking Society**
- Recording of minutes at weekly meetings and ensuring assigned tasks are completed
- Responsible for writing the weekly newsletter informing members about news and upcoming events
- Developed a custom newsletter generator to increase productivity and allow information to be delivered to members faster
- Organised and formatted committee meeting minutes and newsletters to be displayed on our website
`Minutes & Newsletters  /  Time Management  /  Communication`

08/2022 – Present **Class Representative - COMSCI1, COMSCI2**   **DCU Students' Union**
- Responsible for solving any problems that the class group may have
- Relaying important information/changes to the class group
- Working with lecturers and faculty to resolve issues regarding assessments, timetables, and examinations
`Leadership  /  Communication  /  Problem Solving`

AWARDS

01/2023   **Tech4Good Global Competition Winner 2022 - Team Síolta with our project Roll On**   **Huawei**

11/2022   **Tech4Good Ireland Competition Winner 2022 - Team Síolta with our project Roll On**   **Huawei Ireland**

08/2022   **Seeds for the Future 2022 Scholarship Recipient**   **Huawei Ireland**

HOBBIES & INTERESTS

Golfing, Hiking, Cycling, Scouting

LANGUAGES

English - Native, **French** - Leaving Certificate, **Irish** - Leaving Certificate