Brian Farrell

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**Third Year
Computer Science,
Trinity College Dublin.**

Education

Trinity College Dublin: Computer Science BA (Mod)

2018-2022

I achieved a first-class honour in both my First and Second Year examinations as well as a Book Prize in both years. In second year, I achieved an overall 80% placing me 10th in my class overall.

- Computer Architecture - Achieved a First(A) - 100%
- Algorithms and Data Structures - Achieved a First(A) - 92%
- Programming Project - Achieved a First(A) - 86%
- Telecommunications I - Achieved a First(A) -70%
- Concurrent Systems and Operating Systems - Achieved a First(A) - 99%
- Discrete Mathematics - Achieved a First(A) - 74%
- Telecommunications II - Achieved a First(A) - 74%
- Software Engineering Group Project - Achieved a 2.1 (B) – 69%

Skills

- Languages: Java, C, Dart, C++, Python, ARM Assembly Language, VHDL, HTML, CSS, and Promela
- Experience using Subversion, Git, Docker, MATLAB and Linux
- Knowledge of commonly used Algorithms and Data structures
- Leadership and people skills developed from being a core member of several projects and various student environmental movements in college

Experience

Demonstrator

September 2020 - Present

- I am currently working as a Demonstrator at Trinity College Dublin; I teach Algorithms and Data Structures to second year students. My job is to attend the weekly lab sessions and help the students with any questions or difficulties they may be having with the class or the material covered. I also spend a few hours a week answering questions about their assignments and helping them learn the material through the class forums.

Web Developer

July 2020 – October 2020

- Web Development work over the Summer with two teammates, from a technical perspective the work was not very complicated as most clients required the ability to edit their websites themselves after we finished. However along with development work I acted as the team lead and main point of communication between the team and the client, I gained a lot of valuable experience dealing with client's requirements and issues. Keeping them constantly up to date and making sure they got exactly what they needed was a priority. I also handled all the domain hosting, DNS and obtaining of SSL certificates.

Volunteer & Leadership Experience

- Experience with Scrum meetings and being Scrum Master from Software Engineering Group Project
- Project Leader for my Software Engineering Group Project
- Helped run and operate the Fossil Free TCD Environmental Campaign
- Member of the Trinity College Student Unions Environmental Committee
- OCM of the Trinity Environmental Society

Projects

I have several projects in various languages, some of which are available on my GitHub at
https://github.com/branflakes6

Highlights

- A cross platform App (Written in Dart) for Trocaire to help rural farmers combat the spread of an infectious worm. This project was developed as part of a group Software Engineering Project and can be found at https://github.com/flynnm20/SE-Project-Group-7.
- Currently working on a Fitness App using Android Studio written in Java, designed to be a completely free lightweight fitness app.
- Currently working on a small video game using the Unity engine, I spent some time doing tutorials online and have begun developing my own game.
- A Telecommunications project written in Java to send packets between a Command and Control, Broker and number of Workers that implemented Acknowledgements and Threading, as well as a project implementing Flow Tables and Flow Control.