

Brian Farrell

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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%

Experience

Demonstrator Trinity College Dublin

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 reinforce what the students have been learning in class.

Web Developer - InVision Software and Technology LTD

July 2020 – October 2020

- During the Summer of 2020 I did some Web Development contracts for InVision Software and Technology LTD.
- I developed new websites for clients using a mix of Squarespace and custom HTML and JavaScript code blocks.
- As Team lead, I was responsible for communicating with the clients and keeping the team informed of what they wanted.
- I had to deal with constant changes in project specification and explaining technical challenges to non-tech people as well as making sure we delivered exactly what was wanted from us.
- I also handled all the domain handling, purchasing and setting up domains and DNS records as well as setting up SSL certificates.

Skills

- Languages: Java, C, Dart, C++, Python, Go
- 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

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

Projects

I have several projects in various languages, some of which are available on my GitHub at

<https://github.com/branflakes6>

- 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.