

Brian Farrell

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Second Year Computer Science, Trinity College Dublin.

SKILLS

Programming Languages: Java, C, Dart, C++, Python, ARM Assembly Language, Verilog, VHDL, HTML, CSS, 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 various student environmental movements in college

First year programming project team lead and manager

Projects

I have several projects in Java, C and ARM available on my github. Please check them out <https://github.com/branflakes6>

Highlights include

- I built 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>. It is currently pending publication on the Google Play Store and Apple's App Store.
- A Fully functioning Connect4 game with a computer player programmed entirely in ARM Assembly Language
- 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
- A Team Programming project written in Java using processing to display news and account data from a large database of information
- A C Program that evaluates postfix and infix expressions using a stack
- I have also participated in several coding competitions and have consistently finished in the top 10

Education

Trinity College Dublin: Computer Science BA (Mod) 2018-2022

Achieved a First Class Honor (3.87 GPA) and a Book Prize in my first year examinations.

Classes

- Software Engineering Group Project (Ongoing)
- Programming Project (Achieved a First(A))
- Algorithms and Data Structures (Achieved a First(A))
- Systems Programming (Ongoing)
- Telecommunications I and II (Achieved a First(A) in both)
- Introduction to Computing I and II (Achieved a First (A) in both)
- Computer Architecture (Ongoing)
- Microprocessor Systems (Ongoing)
- Introduction to Programming (Achieved a First(A))
- Discrete Mathematics (Ongoing)
- Concurrent Systems and Operating Systems (Ongoing)

Volunteer/Leadership Experience

- Experience with Scrum meetings and being Scrum Master from Software Engineering Group Project
- Team leader in my First year programming project group
- 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
- Volunteer for Stop Climate Chaos and Not Here Not Anywhere