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