

# Brian Farrell

(+353) 086 4521276

[farrelb6@tcd.ie](mailto:farrelb6@tcd.ie) | [brianfarrell.ie](http://brianfarrell.ie) | [linkedin.com/in/brian-farrell-9b9960194](https://www.linkedin.com/in/brian-farrell-9b9960194)

Second Year Computer Science, Trinity College Dublin.

## SKILLS

Programming Languages: Java, C, C++, Python, ARM Assembly Language, Verilog, VHDL, HTML, CSS

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

- 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
- I am currently working with Trocaire to build an app to help rural farmers in impoverished countries detect and combat an invasive species of worms using mapping and location services
- 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.

**Trinity College Dublin: Earth Sciences** 2016-2018 (Transferred to Computer Science)

Achieved a first class honor in my first year

## Classes

- Software Engineering Group Projects
- Programming Project
- Algorithms and Data Structures
- Systems Programming
- Telecommunications I and II
- Introduction to Computing I and II
- Computer Architecture
- Microprocessor Systems
- Introduction to Programming
- Discrete Mathematics
- Concurrent Systems and Operating Systems

## Volunteer/Leadership Experience

- 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
- Team leader in my First year programming project group
- Captain of my Senior Rugby team