

John Mulcahy

Summary:

Second year BA in Computing Science Student at Griffith College Cork, having previous experience as a production operator in the automotive electronics industry where I gained an understanding of softwares practical applications and electronics. Currently I am seeking an Internship role in I.T to further develop my software development skills.

Education

Griffith College Cork – BA in Computing Science - Level 8

Expected Completion: May 2020

Modules included: *Object Oriented Programming in Java, Data Structures & Algorithms, Systems Software, Business Information Systems, Relational Databases, Server Side Web Development.*

I've been able to implement the above modules to directly influence personal and academic projects.

Project: Surfcast

September 2017 - January 2018

As a recreational surfer in my spare time I wanted to access surf forecasts in a more visual and intuitive way, for a personal project I built and designed a hardware application which uses a mini computer (Raspberry Pi).

- Calls API service to get the local surf forecast using **Java**.
- Display's **Json** data through LED lights using **Python**.
- Delivers continuously updated surf forecasts.
- System is triggered by a motion sensor.
- Makes it easier to visually recognise wave heights and swell conditions which together help derive the quality of surf conditions.

In short, I have been able to construct and implement my very own weather forecasting display system.

Link to Surfcast: [Project GitHub page](#)

Employment

Deliveroo, Food delivery, *part-time*

Cork city, Co. Cork | April 2017 – Present

Kostal Automotive Factory, *General Operator*

Abbeyfeale, Co. Limerick | August 2013 – September 2016

- Worked as part of a team on the production of circuit boards for hybrid electric cars.
- Removed the risk of assembly errors being made on the manual assembly line by articulating an idea to separate similar materials used in production.
- Dealt with fast pace and high volume production.
- Became proficient in 4 different roles in Kostal from product assembly to product testing.
- Developed skills to maintain the standard and quality of my work.

Bay Tree Garden Centre, Sales Assistant

Newcastle west, Co. Limerick | May 2012-December 2012 (Part-time)

Key Skills & Qualities

- Computer skills: OO programming with **Java**, relational database design, MySQL, JavaScript, HTML and CSS.
- Configured and set up an Apache server running on Debian Linux.
- Proficiency in source code configuration control (Git), Eclipse, Android studio, IntelliJ,
- Working knowledge of **JUnit testing**, software development methodologies.
- Approachable person and work well in teams or on my own, having gained **team working** skills from completing college group projects.
- Having learned many skills from factory production I can maintain a high level of quality in my work and follow job descriptions accurately.
- I really enjoy **problems solving** and am eager to learn new skills all the time.
- Fluent in English, have intermediate German.

Interests & Achievements

- Student member of the Irish computer society.
- Member of Griffith College Cork Computer club.
- System administrator for student club server.
- Interested in sports such as Cycling and Surfing.

References

References available on request.