

John Mulcahy

Summary:

Third year BA in Computing Science Student at Griffith College Cork, having gained an understanding of software's practical applications and design through my studies in college and summer work as a website administrator, I am currently seeking a role in I.T. to further develop my skills.

Key Skills & Qualities

- **Computer skills:** Object oriented programming with Java, relational database design, MySQL, JavaScript, HTML, web design, Inkscape, PHP and CSS.
- **Software configuration** - set up an Apache server running Debian Linux on a Raspberry Pi for personal projects.
- Ability to use **Git** for source code configuration control.
- Working knowledge of **JUnit testing**, and software development methodologies.
- **Team working** - Approachable person and work well in teams or on my own, having gained **Communication** skills from completing college group projects within given deadlines.
- Enjoy **problem solving** and am eager to learn new skills all the time.
- **Languages** - Native English speaker with intermediate German.

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.

College Project: **Sports Club Website**

April 2018 - May 2018

For a group project I helped in the development of a **database-backed web application** which has a technology stack of HTML, CSS, **PHP**, **MySQL**, **JavaScript**, Ajax and Bootstrap.

- Implements backend functionality to manage sports club staff and memberships (**CRUD**).
- Allows for club manager to create new sports events, news items and update staff records.
- Users and members have the ability to register for sports events.
- Dynamically displays news items, events and membership types from the database.
- Created a backend login for the manager and staff that uses encrypted passwords to ensure adequate security.

Personal Project: **Surfcast**

September 2017 - January 2018

As a recreational surfer 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) to display the forecast.

- 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, activated via a motion sensor.
- Can visually recognise different 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

Lifting365.com, Website Administrator

Cork city, Co. Cork | May 28 2018 – August 31st 2018

- Website Administrator duties
- Website testing
- Product information uploading
- Blog post writing

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 Volkswagens 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.

Interests & Achievements

- Student member of the Irish computer society.
- Member of College Computer club.
- Interested in sports such as Cycling and Surfing.

References

References available on request.