

Michael Donnelly

12 KILMAKARDLE ROAD

DUNGANNON, BT70 2UF

Phone: 07849 449045

Email: mickey.d@live.com

Linkedin: <https://www.linkedin.com/in/michael-donnelly-006309201/>

GitHub: <https://github.com/themickster268/>

Personal Statement

I am a recent graduate with a 1st Class Honours in Computing Science from South West College and I am currently seeking a graduate role in software development. I have had exposure to a range of programming languages and database technologies and have developed these skills further by undertaking a range of personal projects. As well as these skills, I have also further enhanced my time management and communication skills working in various part-time roles. I am now looking for a new opportunity in an innovative company where I can use and develop both my soft skills and technical skills.

Technical Experience

Software Programming - For this module, I had used Java to learn fundamental programming concepts.

Object Oriented Programming - For this module, I built upon my knowledge of basic programming concepts by learning about the Object Oriented programming paradigm using C#, with topics including Classes and Objects, Encapsulation, Inheritance, and Polymorphism.

Software Testing - For this module I had learned about various software development life cycles such as the agile, waterfall and prototyping models. I had also covered different forms of testing such as unit, integration and systems testing. The assignment involved group work in which manual testing of the South West College's new student management system was carried out.

Web Applications Development - Focusing on backend development using PHP and Laravel, this module involved working in a group to develop a MySQL database driven book directory application. Remote group communication was established on Discord and tasks were divided among group members using Trello and GitLab. Docker was also used to run the application in a containerised environment, providing a common development environment.

Algorithms and Data Structures - For this module, I had learned of the more common searching / sorting algorithms and data structures, and delivered a presentation on measuring the efficiency of sorting algorithms using Big-O notation. The assignment for this module involved the development of a command line based card-shuffling application.

Computing Mathematics - Coursework for this module involved using Python and popular data science libraries to write code to solve problems on Jupyter Notebook relating to probability, matrices and statistics.

Full Stack Development - For this module, I had developed an application that allows users to look up broadband speeds for different postcodes based in Northern Ireland. The backend API was developed using Python, Flask and MongoDB and the frontend single-page application was developed using Typescript and Angular.

Work Experience

APRIL 2021 - PRESENT

Donaghmore Magnetos, Donaghmore - Labourer

I am involved in the preparation of classical engine parts for refurbishment, including disassembling and cleaning. Other duties include maintenance of lathes and other machinery, ensuring they are operating at an optimal condition.

MAY 2021- NOVEMBER 2021

St Joseph's Grammar School, Donaghmore - Cleaner

As a cleaner, it was my responsibility to ensure that all furniture and surfaces were cleaned and disinfected. I also had additional responsibilities in making sure that school grounds were properly maintained. During the COVID-19 pandemic, I was tasked with ensuring that classrooms were prepared and conformed to social distancing guidelines.

JUNE 2018 - SEPTEMBER 2018

Keystone Lintels, Cookstown - IT Support Technician

Responsible for delivering and coordinating remote technical support to users in Swadlincote in England and Cwnbran in Wales, a task requiring strong verbal communication skills to gain insight and resolve specific technical issues. I was also tasked with the completion of several projects, such as upgrading PCs to improve performance thus allowing technical employees to use CAD software with enhanced performance.

Education

OCTOBER 2021 - JUNE 2022

South West College, Dungannon - BSc (Hons) Computing Science

First Class Honours (73% Average).

OCTOBER 2017 - JUNE 2019

South West College, Dungannon - FdSc Computing

Distinction.

SEPTEMBER 2009 - MAY 2016

St Joseph's Grammar School, Donaghmore

Three A-Levels (ABB), and ten GCSEs (including English and Mathematics).