

Sebastian Richards

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OBJECTIVE

Having finished my MSc Computing at Cardiff University and waiting to graduate this September I am looking to apply myself immediately in a developer position full-time to start a career.

PROJECTS – All projects can be viewed on my portfolio website linked above

Project 1 – Flask Social Network Microblogging Service

The project allows users to create an account, login and create a post as well as comment and like these posts. The user can update their profile information by changing their profile picture and password. The users' passwords are encrypted using Bcrypt and all data is stored in a database using SQLite.

Languages used: Python, SQLite, Flask, HTML, CSS, Bootstrap uploaded on Heroku

Project 2 – Digital Twin for Microreactor

This project allows users to input data to create a digital copy of a microreactor. Having collaborated with the Chemistry department this program uses a user interface and object orientated programming to encapsulate every attribute of a real-life microreactor.

Languages used: Python, Tkinter

Project 3 – 'Don't take that bait' Game

This project is a 2d platformer inspired by flappy bird. The user presses the space button to keep the shark afloat and avoid the hooks and sea creatures. The game is coded in pure python with the pygame module, and the animations were drawn in pixelart.

Languages used: Python, Pygame

LANGUAGES

Python, SQLite, HTML, CSS, JavaScript, Java, React, Flask, Django, Bootstrap, Heroku, Git, Linux, VS Code, Pygame, Tkinter, GSAP

EDUCATION

MSc Computing – Cardiff University (2020-2022)

BSc Chemistry with Medicinal Chemistry – University of Warwick (2014-2017)

GCE Levels | Maths(A), Chemistry(A), Physics(B) – Royal Latin School (2012-2014)

PREVIOUS WORK EXPERIENCE

- Noden Farms Daventry – Farm Worker (05/19 – 10/19)
- 20/30 Labs Northampton - Laboratory Technician (09/18 – 02/19)
- Find New Business Buckingham – Sales Executive (05/18 – 09/18)
- Abbey CE Academy Daventry – Teaching Assistant (01/18 – 05/18)