Harry Findlay

Exeter / Marlborough / Coventry | harryfindlay@outlook.com | +44 7554 662597
linkedin.com/in/harry-findlay-789090b3/ | github.com/HarryFindlay03 | https://harryfindlay.vercel.app

EDUCATION

University of Exeter, UK   **2021 – 2024**
BSc Computer Science – Stage 2

Achieving a 1:1 (80%) with modules focusing on:
- Object Oriented / Procedural / Functional Programming
- Computer and Internet Systems
- Computational / Discrete Mathematics
- Data Structures and Algorithms
- Artificial Intelligence
- Computer and Network Security

St John's Marlborough Sixth Form College   **2019 - 2021**
A-Levels: *Computer Science (A*), Maths (A), Physics (A)*

St John's Marlborough   **2014 - 2019**
GCSEs *with majority 8s, 7s and 6s*

RELEVANT PROJECT EXPERIENCE

Bespoke E-Commerce Website, ExeChange
Python, Django, Django REST API, React, PostgreSQL, Git, Docker
- Developed an e-commerce clothes trading marketplace exclusive to Exeter students in a team of six which achieved top marks.
- Individually implemented GitHub actions; user authorisation and authentication; email sending and verification; and integration testing.
- Guided group discussions to ensure ideas were rigorously developed within a demanding six-week timeframe.

Artificial Intelligence Maze Solver
Python
- Developed a maze solving program to find paths through extremely large mazes.
- Achieved top marks (92%) by writing high quality and efficient code to implement A* and DFS algorithms.
- Explained and visualised my thinking in a concise report that covered all aspects of my program and provided reasoning for the algorithms I chose to develop.

Multi-Threaded Card Game
Java, JUnit, Threading
- Constructed a multi-threaded card game in a pair-programming environment.
- Followed strict object-oriented design patterns.
- Implemented using a test-driven development lifecycle.

C / C++ Programming Challenges – *Low Level Memory Management, Data Structures, Algorithms*

Haskell / Prolog Programming Challenges – *Functional and Logic Programming*

Cycling Race Management System *– Java, JUnit, Object-Oriented Backend*

Tetris Online Game *– HTML, CSS, PHP, JavaScript, MySQL, User Authentication, Session Variables, Azure VMs*

Flask Based Information Dashboard *– Python, Flask, Web APIs, Event-Driven Architecture*

EXPERIENCE

UNIVERSITY OF EXETER CYCLING CLUB   **Sep 2022 – Sep 2023**
Welfare Officer
Attending training on areas regarding safeguarding and welfare and being able to quickly and confidently answer any questions or concerns of members to ensure a safe and inclusive environment for all.

SAMUEL JONES, EXETER   **Nov 2022 – Feb 2023**
Front of House

THE ROEBUCK, MARLBOROUGH   **Jul 2022 – Sep 2022**
Front of House

MARLBOROUGH LEISURE CENTRE **Feb 2019 – Sep 2021**

Lifeguard

Worked as part of a small, tight knit team to uphold the strict safety standards required while supervising swimming pools and dealing with the day to day running of a community leisure centre.

MARLBOROUGH PENGUINS **Feb 2016 – Sep 2021**

Volunteer Swimming Teacher

Volunteered to help my local swimming club develop their younger swimmers fundamental water skills and swimming strokes to give back to the club that developed me as a swimmer and a young adult.

ADDITIONAL QUALIFICATIONS

National Pool Lifeguard Qualification **Oct 2019 – Oct 2021**

Bronze Duke of Edinburgh's Award **2016**

SKILLS AND INTERESTS

Cycling Technology Reading and Research Music Languages