Harrison Coneboy

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*A passionate and hard-working graduate seeking a challenging and rewarding career in software development.*

*Education*

***The University of Edinburgh*** 2016 – 2020

BEng (Hons) Artificial Intelligence and Software Engineering (First-Class)

*Relevant Modules include:*

Computer Security (81%), Informatics Large Project (91%), Software Testing (78%), Software Design Project (73%), Human-Computer Interaction (75%), Software Architecture and Process Management (77%)

***Xabia International College*** 2014 – 2016

A-levels: Mathematics (A), Further-Mathematics (A), Chemistry (B), Physics (B)

*Relevant University Projects*

***Tools for Teaching, Dissertation*** 2019-2020

* Designed and implemented a web application focused on teaching first-year undergraduates propositional logic concepts
* Development of the application involved using technologies such as:

*Python, JavaScript/HTML/CSS, React, D3.js*

* The project presented the opportunity to liaise with the project supervisor, gather (non)-functional requirements and iterate versions based on feedback

***Roboreach, Software Design Project*** 2019-2019

* Worked alongside 8 other students to design, create and market a Lego-powered robot aimed at people with mobility issues
* The project presented an opportunity to use team-based technologies such as:

Trello (management), GitHub (version control), Slack (communication)

***Coinz, Informatics Large Project*** 2018-2019

* Produced an Android application using Android Studio and Java
* Version control was handled through GitHub
* Experience implementing the Mapbox API and multiplayer features handled through the Firebase platform

*Personal Projects*

***Python Puzzle Solver*** *2020-2020*

* Created GUI (Tkinter) application that allows users to determine if a list of shapes will fit within a given NxM grid, and display the solution
* Solutions based on A star search, with the heuristic based on shape perimeter and empty grid space

***Front-end Website Design***  *2019-2020*

* Employed to design and create a digital showcase of projects and services tailored towards the clients
* Successfully collaborated with a graphics designer and deployed a website through a CMS with custom CSS & JavaScript

*Key Skills*

***Quick Learning and Problem Solving***

* Confident in quickly learning and becoming competent when presented with projects requiring the use of novel technologies
* Meticulous detail toward algorithmic time complexity and completing projects well within given time frames

***Adaptability***

* I am comfortable in any role and eager to adapt to new responsibilities should the situation require my support
* Work well under pressure and can adapt to moving deadlines

***Languages & Technologies***

* Speak both English (native) and Spanish (fluent)
* Programming languages:
* Technologies: MERN-stack, Firebase, Git(Hub)
* Confidently code in: Python, Java, Javascript, HTML, CSS
* Basics and Foundation: C, SQL, Haskell, MIPS

*Interests*

***Computer Security***

* I have enjoyed self-study and CTF exercises using platforms such as TryHackMe.com, I enjoy exploring the Kali Linux system and offensive security tools

***Escape Rooms***

* I enjoy the puzzle solving activities presented in escape rooms and the teamwork required to complete them within the given time limit
* I have created DIY escape rooms with original puzzles for friends