Harrison Morley

Final year Cyber Security and Forensic Computing student who has particular interest in security programming and software engineering.

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GitHub
https://github.com/H4RMLY

EXPERIENCE

The Holiday Inn Portsmouth – Bartender

August 2023 - October 2023

- Had to apply working as a team across the bar, kitchen and restaurant with many different people.

The White Hart Farncombe – Bartender

April 2021 - July 2023

- Learned how to work with a small team in high pressure situations.

EDUCATION

University of Portsmouth, Portsmouth — (BSc) *Cyber Security and Forensic Computing*

September 2022 - Present

The course focuses on studying in detail how computers and software operate and how we can make them more secure. This has greatly improved my skills in programming and code analysis as well as project management and life cycles within my final project.

Modules include:

Malware Forensics – 1:1

Web Programming – 1:1

Data Structures and Algorithms – 1:1

Ethical Hacking – 1:1

Godalming College, Godalming

September 2019 - July 2021

IT BTECH L3 Diploma – 2x Distinction *

Graphic Design – A

SKILLS

Proficient in multiple programming languages (Python, JavaScript, Dart, HTML5, CSS) and experience with more

Familiar with Linux

Reverse engineering malware

Malware behavior analysis (static and dynamic)

Use of forensic tools (FTK, Autopsy, Wireshark)

Predictive modeling and classification

IoT Device Development

Penetration testing and vulnerability assessment

Software development lifecycle knowledge

Debugging and testing (Unit tests, Integration tests, GDB and IDA)

Web development frameworks (Node.js, React)

Version Control (Git, Github)

8 GCSEs - Grade 6 for
English and Maths and
9 for Graphic design.

Achieved the
governor's award for
creativity for GCSE
graphic design work.

Achieved a Duke of
York Silver award

PROJECTS

Final Year Project — Making data subjects better data controllers: Engineering a data manager for data subjects to track who holds what data.

My final year project involves engineering a decentralised data manager so that individuals can enact their rights under GDPR more effectively. This stemmed from my previous password manager project as I wanted to see if I could create a more general decentralised storage medium for all of my data and possibly other peoples.

From this project I have gained and developed my skills around project management and software development specifically in using a methodical approach to designing and testing software. I have also greatly improved my communication skill as I've had to pitch my idea to my project supervisor as well as regularly report progress back to them.

Within this project I have greatly strengthened my skills in javaScript and continue to gain experience using node.js, html and css.

Hobbies and Interests

Crochet

Cooking

Personal Password Manager — A personal password storage application for my own use which includes its own encryption.

During the summer between my first and second year of university I had wanted to create my own password manager because I didn't like the fact that my passwords were stored by a third party. My main goal was to create a medium for password storage on my own computer so I had full control over where and how it was stored.

I stopped developing this project for the first time after I entered my second year of university as I had other things to focus on. I then later picked it back up after I had completed my security and cryptography module and I wanted to create my own encryption algorithm.

References

Available On Request

Personal MTV music channel clone— A website hosted on a raspberry pi that plays a playlist of music videos on loop.

In my third year of university I was thinking about how I enjoyed watching the MTV music channel when I was younger but couldn't find an alternative now. This inspired me to make my own website that would run indefinitely where I could tune in and watch music videos as if they were on MTV.

This required me to learn how to use the youtube api as well as practice my skills in HTML5, Javascript and CSS.