


HARRISON RIGBY


Developer ~ Engineer

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SUMMARY

I am a Computer Science student at The University of Manchester, with a deep passion for. Experienced in Python, Java, and full-stack development along with many technologies. I am enthusiastic about applying my expertise to contribute innovative solutions within the landscape of computer science.

SKILLS

Languages: Python, Java, JavaScript, PHP, HTML, SQL, Verilog, ARM, LaTeX

Technologies: PyQt, Tkinter, AutoCAD, Docker, matplotlib

PROJECTS

Python, PyQt,
SQL, Matplotlib

System Hardware Monitor

<https://github.com/Harrrrison/HardwareMonitor>

A system hardware monitor that displays current information about a machine in easy-to-read graphical formats. Created to help people new to computers and unfamiliar with the hardware.

Full Stack

Personal Portfolio Website

<https://github.com/Harrrrison/Harrison.com>

A website created to display a biography along with displaying projects and achievements. Implemented with full stack as a way to improve and display web development skills.

C++, Python,
Arduino Cloud

Arduino IoT smart home system

<https://github.com/Harrrrison/ArduinoIoT>

Using an Arduino and a collection of sensors working to create a 'smart home' implementing modules like a shower sensor and automatic blinds.

EDUCATION

09/2023 -
06/2026

BSc Computer Science

The University of Manchester

Software Development, Computer Engineering and Architecture, Data Science, Mathematics.

09/2020 -
06/2022

A Level, A*, A*, A*

Brighton College

Maths, Computer Science, Design Technology.

09/2015 -
06/2020

GCSE 999888888

Brighton College

Including: 9 in Computer Science & Chemistry. 8 in Maths & English.

EXPERIENCE

10/2022 -
09/2023

Digital Security Consultant

Freelance

Blu Bank

- Provided solutions to help Blu Bank improve the security of direct-to-client digital systems.
- Conducted extensive research into the fundamentals of time-based OTPs and provided Blu Bank with an array of opportunities and methods to consider.
- Created a proprietary research paper collating strategy that was presented to the CTO.

Python / Cryptography

11/2022 -
04/2023

Data Science and Marketing Intern

Yodel Mobile

- Developed a program which helped Yodel predict reach at varying spends based on expected results and current organic reach, suggesting an optimum spend zone.
- Managed the implementation of website updates and numerous backend fixes.
- Wrote strategies which led to large and consistent month-on-month growth of all the Yodel media outlets. Including a 30+% increase in both X (Twitter) & Website impressions.

Python / Matplotlib

08/2021 -
04/2022
Founder

First Robotics Team 8173 President

Brighton College (Volunteer)

- Designed and ran tests of a robot to compete in the First Robotics World Championships in Turkey.
- Secured over £5K in funding from Brighton College and created a partnership program to give underprivileged children the opportunity to explore STEM.
- Led a team of around 25 people across multiple technical and non-technical departments.

AutoCAD / Java / Leadership

LANGUAGES

English - native