Arthur Williams

Cyber Security Analyst

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https://github.com/dzlagit/

PROFESSIONAL SUMMARY

Prospective Cyber Security Analyst with a strong focus on **applied AI in security-critical systems.** Experienced in **C#, Python, and JavaScript** (including TensorFlow.js), with hands-on work in **malware detection**, **network-based threat analysis**, and **explainable AI**. Proficient in **Linux** environments and database systems including **MySQL, MongoDB, and PostgreSQL**, demonstrating strong analytical problem-solving skills and adaptability, with a clear interest in building secure, efficient, and **responsible AI-driven technologies**.

PROJECTS

- **Semi-supervised trained AI** model that detects **ransomware attacks** based on **network data**. - Link
- **Deep neural networks trained explainable AI (XAI)** to recognise **fileless malware** based on **memory dumps**. - Link
- **Full stack cloud based IoT** system to detect humidity and temperature, that makes **API requests to a database** and displays data to a **web service. -** Link

EDUCATION

Liverpool Hope University, Liverpool - *BSc Computer Science*

SEPTEMBER 2023 - PRESENT

Passed first and second year with a **high first class honours, and currently still working at a first**. Working on skills including JavaScript, MySQL, PHP, HTML and CSS, whilst also working on Java, C++, C, Python, focusing on the application of these in the cybersecurity world.

George Spencer Academy Sixth Form, Nottingham - *A Level*

SEPTEMBER 2021 - AUGUST 2023

AS Level in Mathematical Studies

A Level in History, Psychology and Biology.

SKILLS

Technical Skills

- Programming: C#, Python, JavaScript, C++, C, PHP
- Databases: MySQL, MongoDB, PostgreSQL
- Systems: Linux
- Cloud: AWS
- Web: HTML, CSS

Professional Skills

- Analytical problem-solving
- Research and investigation
- Time management
- Customer communication
- Algorithmic thinking

EXPERIENCE

Tesco, Nottingham - *Customer Assistant*

SEPTEMBER 2022 - PRESENT

- I am able to prioritse customer satisfaction through attentive service, product recommendations and swift resolution of inquiries and concerns.

Adcocks Solicitors Limited, Lichfield - *Work Experience Intern*

JUNE 2022

- Explored innovative intersections of technology and law, whilst developing key understanding of the interactions between good software and a good office environment.

Iceland, Nottingham - *Customer Assistant*

SEPTEMBER 2021 - SEPTEMBER 2022

- Worked seamlessly with team members to meet stock demands and resolve customer issues. Contributed to positive shopping experiences through efficient order picking and in-store assistance.