

# Arthur Williams

## Software Developer

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<https://github.com/dzlagit/>

## PROFESSIONAL SUMMARY

**Software developer** with heavy interest in the international implementation of **AI** into multiple industries, with programming expertise in **C#, Python, JavaScript (including Tensorflow.js, Node.js and React.js), with additional experience in Linux OS and database work with MySQL, MongoDB and PostgreSQL.** This comes alongside strong problem-solving abilities and adaptability, ensuring effective customer service and innovative solutions within the technology industry. I aspire to drive technological advancements with a focus on enhancing security and efficiency in digital environments, whilst ensuring the **safe introduction of AI** into an everyday working life.

## 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 AWS based IoT** system to detect humidity and temperature, that makes **API requests to a database** and displays data to a **web service**. - [Link](#)
- **Agentic SOC Dashboard** made with **Node.js** - full real time cybersecurity simulation - [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.

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## SKILLS

### Technical Skills

- Programming: C#, Python, JavaScript (with React), 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 prioritise 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.