

# Samuel Harwood

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## Career Objective

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I am a postgraduate student currently reading for an MSc in Cyber Security with experience working in fast-paced, agile teams, where collaboration and technical skills are essential. I am seeking a career where I can make a tangible positive change.

## Experience

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### Software Engineer Intern

June 2023 – Aug 2023

*Publicis Sapient*

- Created algorithms and trained machine-learning models on datasets of historical weather data to forecast renewable energy systems outputs.
- Designed and built cloud-based data ingestion pipelines to process large, unformatted datasets efficiently.
- Collaborated within a team to meet weekly scrum deadlines, provide updates to senior members of staff and translate technical jargon for non-technical stakeholders.

### Retail Team Member

Aug 2019 – Sept 2020

*Greggs*

- Developed strong interpersonal skills in a public facing role.
- Worked as part of a dynamic team in a high footfall shop, adapting to operational needs to meet customer demand and expectations.

## Education

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### King's College London *Cyber Security MSc*

Sept 2024 - Current

### The University of Lincoln *Computer Science BSc*

Sept 2021 - June 2024

Awarded First-class Honours

Relevant Modules:

- Problem Solving (76%)
- Team Software Engineering (80%)
- Cyber Security (67%)

## Projects

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### Siren Detection and Recognition Machine Learning Model

- Trained and tested a convolutional neural network to detect and recognise different emergency service vehicle siren sounds, achieving an accuracy of 86%.
- Tools Used: Python, Tensorflow, Android Studio

### File-Sharing Home Server

- Configured a personal home server using Ubuntu Server to create a secure, organised file-sharing system with a focus on confidentiality, integrity and availability.
- Tools Used: Linux (Ubuntu Server), Bash scripting

### Augmented-Reality Educational Game

- An Augmented-Reality (AR) treasure hunt game for children, utilising raycasting and 2D image tracking as core gameplay mechanics.
- Tools Used: Unity, C#

## Technologies

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**Languages:** Python, C, SQL, HTML/CSS

**Technologies:** Visual Studio, Microsoft Azure, MySQL, Linux, Cisco Packet Tracer, TensorFlow

## Awards and Certifications

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|--------------------------------|---------------------------------------|-------------|
| <b>Network Defense</b>         | <i>Cisco Networking Academy</i>       | <i>2024</i> |
| <b>The Lincoln Award</b>       | <i>The University of Lincoln</i>      | <i>2024</i> |
| <b>Azure AI Fundamentals</b>   | <i>Microsoft Technology Associate</i> | <i>2024</i> |
| <b>Azure Fundamentals</b>      | <i>Microsoft Technology Associate</i> | <i>2022</i> |
| <b>Networking Fundamentals</b> | <i>Microsoft Technology Associate</i> | <i>2022</i> |