

Samuel Harwood

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Career Objective

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'm seeking a career where I can make a tangible positive change.

Experience

Software Engineer Intern

June 2023 – Aug 2024

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

- Gained invaluable 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

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

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

Languages: Python, C, SQL, HTML/CSS

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

Awards and Certifications

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