

Jack Butlin

Cybersecurity Student

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Profile

Motivated Cybersecurity student with a strong interest in software development, cloud computing, and Cloud Security. Experienced in building small projects using Python and web technologies, with a focus on learning industry best practices and applying theoretical knowledge to practical problems.

Education

BSc Cybersecurity

2025 – Present

University of West London, United Kingdom

- Relevant Modules: Algorithms and Data Structures, Computer Architecture, Cloud Computing, Cybersecurity
- Expected Graduation: 2027

STEM Foundation Program

2024 – 2025

Edge Hill University, United Kingdom

- Relevant Modules: Applied Mathematics, Group Project, Academic Writing, Biology.
- Completed this level 3 program with a focus on foundational STEM skills to prepare for undergraduate studies.

Technical Skills

Programming Languages: Python and Java

Web Technologies: HTML, CSS, Flask

Cloud & DevOps: AWS (EC2, S3, IAM, Lambda), Git, GitHub

Tools: VS Code, LaTeX, Github

Projects

Simple Moving Average SMA Crossover Trading Strategy

Python, yFinance, Github, Pandas, Matplotlib

- Built a Python-based trading strategy that generates buy and sell signals using short- and long-term moving average crossovers
- Processed and analysed historical price data using pandas and yFinance libraries, with Visualised price action, indicators, and trading signals with matplotlib
- Version-controlled the project using Git and published it on GitHub.

AWS Serverless API Lab

- Built a serverless REST API using AWS Lambda, API Gateway, and DynamoDB.
- Applied basic cloud security principles including IAM roles and least-privilege access.

Experience

University Coursework and Labs

- Designed and implemented algorithms using common data structures such as linked lists and arrays.
- Applied secure coding practices and fundamental cybersecurity concepts in lab environments.

Certifications

- AWS Cloud Practitioner (In Progress)
- AWS Ai Practitioner (In Progress)

Interests

Resume Built in LaTeX, Software development, cloud security, financial technology, learning new programming tools, and contributing to personal GitHub projects.