

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, 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, Pandas, Matplotlib, GitHub

- Built a Python-based trading strategy that generates buy and sell signals using short- and long-term moving average crossovers
- Processed and analyzed historical price data using Pandas and yFinance libraries, and visualized price action, indicators, and trading signals using Matplotlib
- Version-controlled the project using Git and published it on GitHub: Repository

Daily Stock Price Tracker in Python

- Allows users to enter a stock ticker symbol (like AAPL, TSLA, or GOOGL) and instantly view the latest market data, including current price and opening price
- Built to practice connecting a Python backend with a frontend web interface using the Flask framework

Academic Experience

University Coursework and Labs

- **Algorithm & Data Structures Project:** Implemented stacks, queues, linked lists, recursion, sorting, and searching algorithms in Python
- **Quantitative Trading Mini-Project:** Developed Python scripts for automated trading strategies, including data analysis and chart output
- **AWS Emerging Talents Community:** Participated in online cloud labs deploying and managing AWS services in a secure environment

Certifications

- AWS Cloud Practitioner – In Progress
- AWS Emerging Talent Community Member
- CompTIA Cloud Essentials
- CompTIA IT Fundamentals

Interests

LaTeX, software development, cloud security, financial technology, learning new programming tools, and contributing to personal GitHub projects