

Majed Althonayan

+447902990666 | majedalthonayan123@gmail.com | MajedAlthonayan | Majedalthonayan

Professional Summary

With an MSc in Computing (Security & Reliability) from Imperial College London and a First Class BSc in Computer Science from Royal Holloway, I am a motivated technology enthusiast equipped with professional certifications, relevant work experience, and a variety of projects. I have a strong foundation in various computing principles, including Cyber Security, Machine Learning, Deep Learning, and Software Development. Additionally, I possess sound knowledge in systems analysis, problem-solving methodologies, and project management fundamentals. Fully dedicated to continuous learning and adaptability, I am eager to make significant contributions to innovative initiatives.

Education

Imperial College London

London, UK

MSc in Computing (Security & Reliability)

2023 - 2024

- **Grade:** Distinction
- **Modules:** Network and Web Security, Cryptography Engineering, Privacy Engineering, Introduction to Machine Learning, Deep Graph-Based Learning, Modal Logic for Strategic Reasoning in AI, Computer Vision, Computational Finance, Principles of Distributed Ledgers

Royal Holloway, University of London

London, UK

Bsc in Computer Science

2020 - 2023

- **Grade:** First Class Degree with Honours (81% average)

Vyners School

London, UK

A Level and GCSE

2016 - 2020

- **A Level and GCSE Grades:** A*AA in Mathematics, Computer Science and Chemistry and 12 GCSE's (A*-B)

Work Experience

King Abdullah University of Science and Technology

Thuwal, Saudi Arabia

Security Engineer

Jun 2022/23 - Aug 2022/23

- I collaborated with the incidence response team to develop a now integral PCAP visualiser used to analyse and discern network packets.
- I actively shadowed and collaborated with the Incident Response and GRC team, gaining valuable insights into their workflows and contributing to various projects and initiatives.

Projects

Blindly Backrunning Private User Transaction Using Fully Homomorphic Encryption

Imperial College London

- A backrunning protocol utilising fully homomorphic encryption through the fhEVM framework to allow searchers to arbitrage multiple, private user transactions on the UniswapV2 decentralised exchange.

Generative, Super-resolution GNN's for Brain Graphs

Imperial College London

- Leveraging the capabilities of generative Graph Neural Networks (GNNs) to predict high-resolution brain connectivity graphs from their low-resolution counterparts.

Neural Network for House Price Regressions

Imperial College London

- A low-level implementation of a multi-layered neural network, including an implementation of the back propagation algorithm to regress price of houses in California using the California House Prices Dataset.

PCAP Visualiser

King Abdullah University of Science and Technology

- This PCAP visualizer, powered by Pyshark, offers a GUI interface for the incident response team to analyze network packet captures efficiently. It enables filtering, protocol analysis, and anomaly detection, facilitating quick identification of security threats.

Skills & Languages

Certifications Comptia Security+, Google Cyber Security

Programming Python (Pandas, PyTorch, NumPy, Scikit-learn, Matplotlib, OpenCV, etc ...), PHP, Java, HTML/CSS, JavaScript, SQL, Solidity

Miscellaneous Linux, Shell (Bash/Zsh), Network Security Protocol, Cryptography, Agile, \LaTeX (Overleaf/R Markdown), Microsoft Office, Firebase, Git

Languages English (native proficiency) and Arabic (native proficiency)