

Anthony Mendonca

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EXPERIENCE

Cyber Risk Consultant

Sep. 2021 - Present

Deloitte

London, UK

- Swiss luxury watch maker: Led design of the firewall log and rule management solutions as part of its network security transformation. This involved understanding the as-is, highlighting current gaps and detailing a proposed solution.
- Global consulting services client: Developed technical implementation guidance with relation to ransomware server hardening hence proactively preventing ransomware attacks. Done using PowerShell scripts and Chef recipes
- Global consulting services client: Developed a next generation secure network strategy that would underpin its' global network security transformation by building out use cases and effectively socialising them with C-Suite level executives. Included adoption strategies for Secure Access Service Edge, SD-WAN and Zero Trust
- National scientific research client: Led development of low-level system implementation guidance to improve their current security posture. This was a post-vulnerability assessment activity and improved the organization's security posture by 75%

Cyber Security Intern

Sep. 2019 - June 2020

British Telecommunications Group

Ipswich, UK

- Led development for a neural network model that increases the proactive detection of malicious domains by 70%
- Developed Splunk queries and dashboards to determine root cause analysis of device misconfigurations leading to 75% increase in turnaround time
- Built automation tools related to detecting secrets exposed on GitHub and DNS hygiene increasing BT's security posture by 80%
- Developed threat intelligence queries on Microsoft ATP platform using KQL to detect Privilege Escalation

Software Engineer Intern

June 2018 - Aug. 2018

IBM Research

Nairobi, Kenya

- Led the development for a diagnosis and testing tool for cloud-based microservices increasing API response times by 60%. This [work](#) was then further extended by other research teams in agriculture, financial services and healthcare to reduce latency
- Implemented unit tests using Java (Spring Boot) with JUnit and Mockito increasing test coverage
- Implemented integration and load tests in Python using Locust to gauge and improve API responsiveness

TECHNICAL SKILLS

Languages: Python, Java, Golang, JavaScript

Cloud & Deployment: GCP, AWS, Docker, Kubernetes, Chef

Security Skills: Threat Modelling, SCA, SAST, DAST

Security Tools: Wireshark, Nmap, Burpsuite

PROJECTS

[Deep Learning for Network Intrusion Detection](#) | *Python, PyTorch, NumPy, Pandas, Google Colab*

- For my Master's thesis, I worked on creating a network intrusion detection classifier that discerned between malicious and normal network traffic
- Done with an emphasis on deep learning using Recurrent Neural Networks and Multilayer Perceptrons

[DeepPhishing](#) | *Python, Keras, Numpy, Pandas, Google Colab*

- Developed a Long Short-term Memory (LSTM) model to detect and classify malicious (from PhishTank database) and benign domains (from Cisco Umbrella 1 million)

EDUCATION

Queen's University Belfast

Belfast, UK

MSc. Applied Cyber Security

Sep. 2018 – June 2020

University of Nairobi

Nairobi, Kenya

BSc. Computer Science

May 2013 – Sep. 2017

CERTIFICATIONS

COMPTIA Security+: March 2021 - March 2024

GCP Associate Cloud Engineer: April 2022 - April 2025

Certified DevSecOps Professional