Wiktor Kaczor

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EH16 4LB

Education

Undergraduate Study at Edinburgh Napier University (2019 to 2021):

- BEng (Hons) Cybersecurity and Forensics (3rd Year Entry) with First Class Honours [2019 to 2021]

Higher Education at Edinburgh College (2016 to 2019):

- Higher National Diploma Computing: Networking - Grade A (SQCF Level 8) [2017 to 2019]
- National Certificate Computing: Technical Support - (SQCF Level 6) [2016 to 2017]

Additional Certifications:

- Splunk Core Certified Power User [Certified 2022]
  https://www.credly.com/badges/9316b645-80f6-4db7-bb0c-4fbf985d1a2d
- Splunk Core Certified User [Certified 2021]
  https://www.credly.com/badges/01d7b394-831b-42cf-8d89-f0c8eaed8abb
- MTA (Microsoft Technology Associate): Windows Operating System Fundamentals [Certified 2017]
  https://www.youracclaim.com/badges/754731c9-fdf1-461a-b0e5-b658b1839778

Secondary Education at Holy Rood RC High School (2012 to 2016):

- Computing Science – Grade B [National 5]
- Physics - Grade B [National 5]
- English` - Grade B [National 5]
- Italian – Grade B [National 5]
- Media – Grade B [National 5]
- Business Management – Grade C [National 5]
- Graphic Communication – Grade C [National 5]

Work Experience

SOC Analyst

- Adarma, United Kingdom
- August 2021 to Present

Responsibilities:

- Monitoring clients' IT infrastructures for threats
- Triaging, investigating and escalating security incidents
- Conducting monitoring for new security rule development
- Hunting for the newest IoCs within client estates
- Assisting with response process development
- Verifying detections with tools and databases to confirm their reputation
- Updating thresholds, whitelists and threat lists for new detections

Student

- Edinburgh Napier University, United Kingdom
- August 2019 to June 2021

Responsibilities:

- Developing a dissertation project using existing photogrammetry solutions for image tracking purposes
- Analysing existing source code for vulnerabilities using secure software development practices
- Collaborating with a team on web technologies group project
- Analysing file and operating system artifacts for forensic evidence
- Python scripting for network analysis
- Basic network server penetration testing
- Executing and protecting against attacks in an IoT network simulator

Glass collector

- Fergie's Bar in Bathgate, United Kingdom
- August 2016 to May 2017

Responsibilities:

- Restocking the fridges after sales and during deliveries
- Cleaning the pub floor and tables
- Collecting and washing glasses
- Answering customer queries

References

- Dr Sean McKeown (Edinburgh Napier University) - S.McKeown@napier.ac.uk
- Maciej Zmijewski (Fergie's Bar) – 07783937824

Projects

Neural Network from Scratch using Python

A multi-layer perceptron artificial neural network implementation in Python from scratch:

- Object-oriented programming model
- Extensible design for activation functions with multiple already provided
- Model saving and loading capabilities
- OpenCV for retrieving camera data
- Xavier weight initialisation function
- Gradient descent implementation
- Abstraction with wrapper functions

Network Packet Capture Analysis using Python

A python script to analyse a network packet capture:

- The "dpkt" library to parse network packet data
- JSON configuration files for initial program configuration
- Querying for geodata based on IP addresses
- Network data visualisation using Matplotlib and NetworkX
- Regex to filter out relevant data
- Creation of a KML file using the geodata
- Packet type, length, and count analysis
- Visualisation of the program structure using Pyan

Rota and Holiday Scheduling Web Application using NodeJS (Group Project)

A web application for SMEs to manage their shift and holiday assignments using NodeJS containing:

- Employee rota or holiday request and assignment functionality
- SQLite database to store employee account data
- Separate dashboard for employees and administrators

- Visualisation of employee timetable using a Gantt chart
- Bcrypt for hashing and salting passwords
- HTTPS for data entry encryption
- Role-Based Access Control
- Form input sanitisation
- Data API for schedule retrieval
- Alerts system