Joseph Vinson

Motivated and aspiring Entry-Level Systems Analyst with a foundation in information security principles, risk assessment, and a passion for securing digital environments. Proven ability to apply academic knowledge in practical settings with a strong eagerness to learn. Seeking an opportunity to work collaboratively with experienced professionals to develop a solid career in cybersecurity.

🎓 EDUCATION

08/2018 – 06/2023   OTTAWA, ONTARIO
Computer Science | Bachelor of Science
Carleton University
- Honors degree in Computer and Internet Security, with advanced coursework in Wireless Networks and Security, Computer Systems Security, Applied Crypto and Authentication, and Principles of Computer Network.
- Member of Carleton Ravens Varsity Men's Soccer Team

⚗ TECHNICAL SKILLS

– LANGUAGES
Python
Java
JavaScript
HTML5
CSS3

– FRAMEWORKS/LIBRARIES
Flutter
Node.js
Mongoose

– TOOLS
MongoDB
Wireshark
Matplotlib
tcpdump
Pandas

– CERTIFICATIONS
AZ-900 Microsoft Azure
Fundamentals

💼 PROJECTS

01/2023 – 07/2024
Task Scheduler
- Designed and developed a task scheduler application using Flutter as a learning project
- Utilized Flutter's UI framework to create an intuitive task management interface
- Integrated 'shared_preferences' to optimize data storage and retrieval
- Incorporated 'intl' for user-friendly date formatting
- Successfully implemented Cloud-Based Firestore for permanent data storage, overcoming challenges
- Technologies utilized: Dart, Flutter
- Future implementation plan includes integrating Cloud-Based Firestore for seamless data persistence across multiple instances

💼 PROJECTS

03/2022 – 04/2022
Intrusion Detection Student Project
- Implemented an intrusion detection system for Wi-Fi protocol based on the research paper "WIDS: An Anomaly-Based Intrusion Detection System for Wi-Fi (IEEE 802.11) Protocol"
- Extracted features from raw Wi-Fi frames and utilized n-gram formation
- Employed machine learning models (AdaBoost and RandomForest) for accurate classification
- Achieved an exceptional 97.14% accuracy rate in detecting abnormal network traffic, closely matching the results mentioned in the paper
- Conducted extensive simulations with various attacks, including deauthentication and dissociation attacks, resulting in high detection rates
- Utilized technologies such as Python, Scikit-Learn, Pandas, NumPy, Pickle, tcpdump, Wireshark, and Matplotlib

💼 WORK EXPERIENCE

07/2024 – PRESENT
Intern Consultant
Wisdom-Tree
- Consulted for Farmers Edge, specializing in agri-retail, lab services, and e-commerce sectors
- Developed and optimized GTM strategies by identifying key value propositions and competitive advantages
- Conducted extensive market research to assess TAM/SAM, determine market size, and analyze current industry trends
- Managed a database of potential clients and strategic partners to capitalize on market insights
- Designed and executed marketing plans to boost inbound and outbound traffic
- Enhanced team efficiency by automating and improving workflow processes through custom code development.

🏆 AWARDS

03/2022
Doug Banton Award
Carleton University
- Recognized for exemplary contributions to athletics at Carleton University, showcasing an unwavering dedication to sportsmanship and prioritizing team triumph over individual achievements.