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. Eager to apply academic knowledge and an eagerness to learn in a professional setting, while contributing to the protection of critical data and infrastructure. Seeking an opportunity to work collaboratively with experienced professionals to develop a solid career in the field of cybersecurity.

💼 Self-Learning Project

01/2023 – PRESENT

Task Scheduler

- Developed a task scheduler application utilizing Flutter as a learning project
- Utilized Flutter's UI framework to design and construct an intuitive task management interface
- Integrated 'shared_preferences' to ensure efficient data storage and retrieval
- Incorporated 'intl' for user-friendly date formatting
- Successfully implemented Cloud-Based Firestore for permanent data storage, overcoming various challenges
- Technologies utilized: Dart, Flutter
- Future implementation plan includes integrating Cloud-Based Firestore for seamless data persistence across multiple instances.

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

🎓 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

🧪 Skills

JavaScript
HTML5

🧪 Skills

CSS3
MongoDB
Node.js
Mongoose
Python
Java
Flutter

💼 Work Experience

09/2023 – 01/2024   MONTREAL, CANADA

Lead Generator
Sekure Payment Experts

- Part of the inside sales lead generation team
- Offering brokering service to SMB companies to help them reduce their payment processing
- Using a proven qualifying methodology, I speak to the economic buyer and confirm interst in a POC
- Upon confirming interest, lead notes are passed to field sales to follow up in action

🏷️ Certificates

11/2023

AZ- 900 Microsoft Azure Fundamentals
Microsoft

- Demonstrated proficiency in comprehending key Azure concepts, such as cloud principles, services, security, privacy, compliance, and pricing

🏆 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.