

SAYFULLAH EID

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EDUCATION

Carleton University

Bachelor's, Information Technology

September 2018 - May 2024

PROFESSIONAL EXPERIENCE

Sphyrna Security

Research & Development

Ottawa, ON, Canada

May 2023 - August 2023

- Played a pivotal role in the Research & Development phase of a novel network security device, NGXS, focusing on the development of the Minimal Viable Product (MVP) to showcase to potential investors and customers.
- Conducted extensive research on adapting bidirectional network applications, particularly video streaming, to facilitate unidirectional message transmission seamlessly across the NGXS device, ensuring a transparent experience for the recipient.
- Contributed to the development of a robust and secure foundation for NGXS devices, addressing potential vulnerabilities in the boot process and ensuring a trustworthy deployment environment.

Sphyrna Security

Web Developer

Ottawa, ON, Canada

January 2022 - December 2022

- Designed and implemented a comprehensive authentication system for Verity, a new risk compliance management product, incorporating Multi-Factor Authentication (MFA), JSON Web Tokens (JWT), and secure Web Cookies.
- Engineered a versatile email notification system within the Verity web application, allowing seamless customization for each customer based on their specific needs.
- Effectively managed and worked on customer-reported bugs and feature requests by prioritizing them based on impact and urgency.
- Collaborated with the development team to implement timely and effective solutions across the stack, contributing to the overall improvement of Verity's functionality and reliability.

Sphyrna Security

Research & Development

Ottawa, ON, Canada

May 2021 - August 2021

- Spearheaded the development of a cutting-edge network security device, NGXS, by collaborating with a team of interns.
- Implemented robust C++ codebase for handling incoming and outgoing packets, ensuring compliance with the system's requirements and effectively transmitting data to the appropriate destinations.
- Leveraged low-level libraries for SFTP and XML validation, enhancing the device's security features and overall functionality.

PROJECTS & OUTSIDE EXPERIENCE

Capstone: LEO Satellite Routing and Load Balancing

Team Lead

Carleton University

September 2023 - Present

- Enhanced LEOSIM, a Python Low Earth Orbit (LEO) network simulation tool, by implementing key features to address LEO Satellite network challenges.
- Integrated traffic generation and simulation capabilities from multiple ground stations, improving the tool's representation of real-world scenarios.
- Led and organized regular team meetings, ensuring effective communication and collaboration among team members.
- Maintained clear and concise communication with the supervising professor, providing project updates, addressing concerns, and seeking guidance.

Foodpad

Frontend Developer

McHacks 9

January 2022 - January 2022

- Developed the front-end of Foodpad, an app that allows user to keep track of their pantries, using React Native.
- Implemented dynamic features that enable users to add groceries, select storage methods (fridge, pantry, freezer), and receive automated expiry date suggestions.
- Awarded Top 5 Hacks at McHacks, showcasing the project's innovation and technical merit within the hackathon environment.
- Received the Tree Hugger award, recognizing the project as the most environmentally conscious hack, highlighting its positive impact.

SKILLS

Skills: Node.js, Data Structures & Algorithms, Docker, JavaScript, Git, HTML/CSS, Java, Linux/Unix, C/C++, React.js, Kubernetes, Python

Languages: Arabic