Cameron **Slupeiks**

Undergraduate Student · Software Development Intern

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Education

Carleton University *Ottawa, ON*

Bachelor of Computer Science (Co-op) *Sept 2017 - PRESENT*

- 3rd Year Standing
- CGPA: 9.52/12
- Expected Graduation: April 2021

Experience

Nokia *Ottawa, ON*

Software Development Intern *May 2019 - August 2019*

- Member of the WaveSuite agile development team, actively participated in bi-weekly sprints, daily stand-ups, and code reviews
- Leveraged knowledge of WaveSuite's Backup-Restore API and DOM manipulation methods to implement UI features for tracking backup and restore processes in real-time
- Developed a shared back-end service written in Java for WaveSuite applications using duplicated features, resulting in the removal of 10,000+ lines of code
- Wrote 30+ JUnit tests using the Mockito framework, increasing code coverage by 80% for specific back-end services
- Demoed new application features and enhancements to product owners during bi-weekly meetings
- Contributed 60+ pull requests to major release of the WaveSuite Commissioning Expert and Common Platform applications

Crypto4A *Ottawa, ON*

Software Development Intern *Jan 2019 - April 2019*

- Leveraged the React library and Netlify's authentication service to implement a documentation platform for partners and clients
- Implemented a performance testing application for Crypto4A's Universal Cyber Security Platform, enabling engineers to actively measure network latency and throughput metrics within Crypto4A's secure processing architecture
- Created BASH scripts to automate essential UCSP hardware tests, reducing macro completion time from 20 minutes to 45 seconds
- Developed Python scripts to scrape JSON data from the web for plot visualizations in Grafana
- Maintained Jenkins performance builds and investigated failed builds to ensure minimal downtime
- Created a mirror repository in Jenkins, minimizing bandwidth usage and reducing macro build times by 65%
- Consistently made improvements to existing software documentation

Projects

Monitaur *Hackathon (1st Place)*

Tools: Django, Vue.js, MQTT, Kubernetes, Google Cloud *Feb 2019*

- A scalable IoT platform for monitoring smart outlet metrics from the browser in real-time
- Users can group devices together using different network channels and set consumption limits of specific channels or devices
- Built front-end of application using Vue.js and Vanilla JS, implemented back-end service to fetch metrics from PostgreSQL database

Flowmo *Hackathon (2nd Place)*

Tools: Django, TensorFlow, MQTT, Google Cloud *May 2019*

- An indoor positioning system that uses a Bluetooth mesh network to manage air duct ventilation within an individual's home
- Users can open and close vents as they please, or they may wish to have an AI manage climate control based on their schedules
- Implemented a TensorFlow model to create smart ventilation schedules based on Bluetooth mesh network data

Skills

Programming	JavaScript, TypeScript, Python, Java, Go, Ruby, C, C++ BASH, SQL
Front-End	React, React Native, Angular, Vue.js
Back-End	Node.js, Spring Boot, Django, Ruby On Rails, PostgreSQL, AWS
Technologies	Git, Linux, Docker, TensorFlow, Netlify, Jenkins

Honors

2019 **1st Place**, cuHacking 2019 *Ottawa, ON*

2019 **2nd Place**, RU Hacks 2019 *Toronto, ON*

2019 **5th Place**, PMO Wideman Project Management Competition *Toronto, ON*