

Technical Knowledge

Software Development Languages

Python
Golang
Java
C#
C
Spring Boot
Javascript
Node.js

Security Tooling

Demisto
SolarWinds
Palo Alto Panorama
Cisco Firepower

DevOps

Docker
Kubernetes
Helm
Terraform
AWS
Google Cloud
Prometheus
Grafana
Alert Manager

Database Exposure

Redis
MySQL
Cassandra

Design Methods

Scrum
Agile Development

Education

Honours B. Comp. | Software Engineering

University of Guelph | 2016-Present

- Math minor
- Dean's Honour List
- GPA: 4.0

Work Experience

ecobee | Security Developer Intern

2020 (4 mo.)

- As part of the Security team, I was responsible for auditing and assessing security vulnerabilities across different teams
- Utilized Golang to create a specialized Github App that would scan our repositories and add Dependency tracking software to minimize vulnerabilities stemming from Dependency issues. Automated the process for adapting and utilizing this tool to increase security culture in the organization.
- Presented on the importance of checking dependencies to the organization focusing on the OWASP Top 10, and it's relevance in the organization.

Deloitte | Risk Analyst Intern - Cyber Intelligence Center

2020 (4 mo.)

- Supporting the team on security/controls and risk management solution development and system integration.
- Supporting the group in identifying risks and controls within business and IT processes for various initiatives.
- Performing security related technical implementation based activities on systems implementation projects, developing strategies, policies, and standards.

ecobee | Site Reliability Engineering Intern

2019 (4 mo.)

- As part of the SRE team, I was responsible for delivering reliable, reproducible, and automated infrastructure using Google Cloud Platform.
- Utilized Terraform to automate resources such as Peered Networks, Identity Access Management, and Cluster Maintenance.
- Created scalable pipeline workflows on Github's CircleCI.
- Established and monitored Service Level Indicators and Objectives in order to define availability and ensure service.

NCR Waterloo | Software Engineering Intern

2018 (8 mo.)

- Developed microservice infrastructure components using Spring Boot and Java, and by utilizing my learned knowledge with NoSQL and Cassandra.
- Improved Continuous Integration with Kubernetes and Docker tools to maintain multi-node clusters for User Acceptance Testing.
- Facilitated the creation of unit and integration tests together with the QA team to ensure complete code coverage.
- Developed orchestration layer for RESTful API functionality and a validation schema to protect the software and the orchestration layer from Log Injection and user error.

University of Guelph | Undergraduate Teaching Assistant

2018-Present

- Delivered labs weekly, explained abstracted computer science material to students without a technical background in a simplified manner.
- Created new course material as well as new assignments that would aid in experiential learning.
- Taught in a private and group lesson format to students in a broad range of introductory mathematical courses for various subjects such as business, psychology, and biology mathematics.

Projects

Developed various applications since 2014 using new technologies and methods, including:

Cocktail Mixing App

Python, with LCBO scrapping API using Docker, PostgreSQL, Redis, Javascript, Ruby on Rails, HTML, and CSS.

RSA Encrypted Messaging Platform

Java, created a local area network chat platform using self-implemented 1024-bit RSA encryption.

Xbox 360 Kinect app

C#, XNA, Angry Birds style game with Motion and Voice Recognition

Crime Data Statistical Analysis Tool

Perl, Aggregation and analysis tool to visualize trends in fields of interest.

Volunteer Experience

Society of Computing and Information Sciences | Vice President External

2018-Present

- Responsible for marketing and orchestrating events for students at the University of Guelph.
- As a result of listening to the opinions and suggestions of students, I use my communication and logistical skills to represent the student body in matters relating to the School of Computer Science such as curriculum changes, and in the College level, helping to make decisions that affect all students in the faculty.
- Help to facilitate social and community building events, local hackathons, workshops, and organize a delegation of students to participate in a collegiate competition called CS Games, which includes challenges from all aspects of computing.

Alpha Epsilon Pi Fraternity | Sentinel Chair

2016-2017

- Responsible for organizing events throughout campus and engaging students from different communities and colleges. Required diligent logistical and communication skills.

J Academy Camp | Counselor

2015-2018

- Directed the Outdoor Education faculty, supervising a group of kids and taught the camp about the outdoors. Gained expertise in communicating ideas and worked with staff to ensure the success of the program.

Scouts | Logistics Director

2014-2016

- Oversaw all scouts and counselors in the program, grades 3 - 12. Ran weekly activities and programs, as well as seminars all over North America.
- In charge of all inventory in Canada throughout the year as well as delivering the stock to the counselors who ordered it on time.
- Organized activities and events within budget constraints. Delegated work to teams of more than 30 people.
- Gained experience in this non-profit organization and developed time-management, organizational, and teamwork skills. Part of the coordination team responsible for planning, organizing, and getting the equipment needed for the annual North American conferences since 2013 (over 500 participants).

Awards

Dean's List | 2016 - 2020

Lieutenant Governor's Community Volunteer Medal | 2016

Recognized for my notable volunteering of 1500 hours

Senior Canadian Computing Competition | 2016

2nd place