

Eric Canam

Software Engineering student at
Carleton University

Please see my website
for contact info!

<https://ecanam.me>



WORK EXPERIENCE

Canada Border Services Agency – Software Developer, February 2021 – August 2021

- Created AWS CloudWatch metrics and dashboards to monitor function and health of API Gateway and Lambda resources.
- Developed custom AWS CloudWatch metrics to offer additional insight into reported errors, including problem resource, error relation, etc. using pre-existing logs.
- Wrote documentation to support future changes to dashboards, as well as detail the function of various log expressions.
- Wrote and tested API endpoints in TypeScript for a new internal Node.JS web application.

Department of National Defence – Software Developer, May 2017 – December 2020

- Reverse-engineered an old, soon to be unsupported Windows application in Java.
- Wrote technical documentation, user manuals to support future development and training of my Java application.
- Wrote PowerShell and Windows Batch scripts to help monitor network of Windows servers.
- Tested Microsoft Azure cloud environments and validated test/setup procedures for these environments.
- Assisted in developing an Angular web app to replace terminal interface for an IBM mainframe application.

Ericsson Canada – Software Developer
Sep 2014 – Jan 2015 (high school co-op)
Jul 2015 – Sep 2015 (internship)

- Managed production Windows Servers and their applications.
- Maintained apps written in Java, C#, and web-based programs written in Python, ColdFusion, Perl and PHP, running on IIS and Apache. These were run on variety of physical servers and VMs (Windows and Linux).
- Developed user-friendly Java-based book checkout tool for use by employees while campus library was unstaffed.

SKILLS OVERVIEW

- Very experienced with Java/Swing development.
- Very familiar with web dev, front & back end.
- Experience managing Windows Server networks.
- Experience with cloud solutions in Amazon Web Services.
- Well-versed in common scripting tools, such as Python.
- Working knowledge of databases, especially MySQL.
- Comfortable with common productivity suites, esp. MS Excel.

OTHER PROJECTS

Ravens Racing – Carleton's Formula SAE Team
Member – Sep 2017 – present
Team Lead – Sep 2019 - 2021

- Designed, built, deployed current team website.
- Began development of vehicle dynamics / lap time simulator in Python.
- Responsible as team lead for organising team events, creating production schedule, and delegating tasks to other volunteers.
- Responsible for powertrain efforts such as engine rebuilds, maintenance. Ran engine rebuild/teardown learning workshops for interested students.
- Began and lead effort to develop a driving simulator ergonomically identical to team's FSAE car.

EDUCATION

Carleton University – Software Engineering (B.Eng. in progress) Sep 2016 – present, 4th year standing

High performance in programming classes:

SYSC 3110: A+ SYSC 2006: A+
SYSC 2004: A+ SYSC 3101: A-
Participated in cuHacking 2017

OTHER INTERESTS

- Electronics: hardware, embedded development.
- Fabrication: metal-working, machining, welding, 3D printing.
- Cars: circuit racing, modification, general repair and maintenance.
- Music: guitar, banjo.