ERIC CANAM

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Software Engineering (3ʳᵈ year) at **Carleton University**
Software Developer at **Department of National Defence**

WORK EXPERIENCE

Department of National Defence – Software Developer

May 2017 – present
full-time for summers, part-time during school year

Reverse-engineered an old, unsupported Windows application in Java. Wrote technical documentation to support future development, and user documentation to facilitate adoption and use.

Tested Microsoft Azure cloud environments and verified that procedures related to their development were complete and correct.

Modernizing a terminal interface for an IBM mainframe application by porting it to a new Angular web app.

Ericsson Canada – Software Developer

Sep 2014 – Jan 2015 (high school co-op)
Jul 2015 – Sep 2015 (summer internship)

Managed production Windows servers and their hosted 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.

VOLUNTEER EXPERIENCE

Ravens Racing FSAE – Team Lead

Sep 2017 – Aug 2019 (media lead / volunteer)
Aug 2019 – present (team lead / volunteer)

Designed, built, deployed, and currently maintain team website. Maintained official team social media sites.

Responsible for organising team events, creating production schedule, and delegating tasks to volunteers.

Responsible for volunteer powertrain efforts such as engine rebuilds, swaps, maintenance, etc.

PERSONAL PROJECT

MoTeC M150 Firmware Adaptation to RR20

Summer 2019 – present

Modifying firmware of MoTeC M150 engine control module to communicate with motor controllers to run radiator fans, as well as the motor controllers that control the Drag Reduction System. (Both systems previously controlled by Arduinos that weren't otherwise necessary.)

Configuring ECU to accept electronic inputs to control pneumatic shifting.

EDUCATION

Carleton University – Software Engineering (B.Eng.)

Sep 2016 – present   *3ʳᵈ year standing*

Strong performance in engineering classes including:

B in SYSC 4001 – Operating Systems
A+ in SYSC 3110 – Software Development Project
A- in SYSC 3101 – Programming Languages
A- in CCDP 2100 – Communications for Engineering

Participated in cuHacking 2017, 2019

Learned to use CAD programs such as Creo, AutoCAD, Fusion 360, SolidWorks.

RELEVANT SKILLS

Technical Skills

PHP · Perl · HTML/JS/CSS · Angular · ColdFusion
Java · C · Python · MySQL · PowerShell · Batch

Knowledge of Windows Server 2008, 2012
Time on Linux VM Environments
Experience with Azure development environments

General Skills

Very well versed in Microsoft Office.
Confident writing skills, applicable to emails, technical documentation, user guides, etc.
Accustomed to working in team environments.

HOBBIES AND OTHER SKILLS

- Car enthusiast: repair, modification
- Guitar playing, maintenance, repair
- CAD and 3D modelling, 3D printing

- Metal fabrication: machining, welding
- Soldering, wiring
- Sports: golf, badminton, squash