

TECHNICAL WORK EXPERIENCE

Software Engineer (June 2013 – Present)

Enterprise Networking Group – Cisco Systems Canada Inc.

- Redesigned and co-rewrote a network subscriber emulator with an emphasis on scale, modularity, and maintainability. ([Java](#), [JNI](#), [C](#))
- Worked with a remote team to port legacy session management code to run on new generation platforms, with new infrastructure and APIs. ([C](#))
- Contributed to the modernization and clean up of the system responsible for managing communication during in-service software upgrades in Cisco routers and switches. ([Lua](#), [Bash](#))
- Wrote several analysis tools in support of this system. ([Python](#))
- Won, as part of a team, an office hackathon with a web application that used existing customer service data and good UX design principles to improve efficiency in customer support. The project was considered as a candidate for further resources and funding. ([Python](#), [HTML/CSS](#), [JS](#))

Application Developer (June 2011 – March 2012)

Interoperability Centre of Excellence – Treasury Board of Canada Secretariat

- Developed a proof of concept Service Oriented Architecture prototype.
- Wrote custom Java business portlets for deployment on Liferay CMS. ([Java](#), [JSP](#))
- Wrote a wrapper API for the jUDDI registry that facilitates the publication and discovery of web services. ([Java](#), [UDDI](#))
- Acquired Level II (Secret) security clearance with the Government of Canada.

TECHNICAL VOLUNTEER EXPERIENCE

Developer (September 2012 – April 2013)

Clinical Decision Support Software Capstone Project

- Worked with another developer and a local team of clinicians to prototype their vision of a clinical decision support system for iPad. ([Java](#), [MySQL](#), [HTTP ReST](#), [Javascript](#), [HTML5 Canvas](#), [KineticJS](#), [Python](#))

Director of Information Technology (May 2012 – April 2013)

uOttawa Engineering Students' Society (ESS)

- Wrote an internal web service that will manage the sale of ESS merchandise. ([PHP](#), [MySQL](#))
- Designed a web interface for in-person sales. ([PHP](#), [Javascript](#), [jQuery](#), [HTTP ReST](#))

Communications Director (June 2012 – November 2012)

Professional Engineers Ontario Student Conference Planning Committee

- Worked with the Creative Director to implement the website. ([jQuery](#), [Javascript](#), [PHP](#))
- Drafted pitch emails to potential speakers and sponsors.
- Coordinated logistics on conference weekend and acted as MC for many of the sessions.

EDUCATION

Bachelor of Applied Science, Software Engineering Degree (2013)

University of Ottawa (2009 – 2013)

Ontario Secondary School Diploma – French Immersion (2004 – 2009)

St. Mary's High School, Owen Sound (2004 – 2009)

(Awards: *Proficiency in Computer Science & Proficiency in Music*)