

Profile

I am an undergraduate student heading this winter into my third year of Software Engineering at the University of Ottawa. I am enthusiastic about technology and programming, mostly in the fields of web development & robotics/IoT. I am bilingual (French & English), a self-learner who thrives on challenges, and I am looking for COOP opportunities this upcoming summer.

Programming & Web Development Skills

HTML5 & CSS3 | JavaScript (jQuery & Meteor) | PHP | Java | C / C++ | Arduino | GitHub | UNIX terminal

- Deployment on Amazon Web Services (AWS)
- Agile development

Work Experience

- **Bank of Canada / COOP Web developer** – May-August 2015
 - Working with agile team on front/back end issues and tested on the multiple sites of the BoC. Created interactive features with dynamic content (AJAX) to promote the new bank note series.
 - See bankofcanada.ca/banknotes/bank-note-series/polymer/design/ and .../polymer/security/
- **VIA rail Canada / Developer – Train Status Information (TSI)** – October 2014 to November 2014
 - Developed a mobile web app dynamically displaying real-time information on train status

Other Work Experience

- **VP Social & Communications at the uOttawa Software Engineering Student Association** / September 2014...
 - Translate SESA communications from English to French
 - Advertise SESA events on social media
- **Journal Chefs d'entreprises / Affiliated Columnist** – January-October 2014
 - Wrote monthly columns on socio-political subjects, researched information and analyzed it
- **Moulins LaFayette / Customer Service & Assistant Cook** – May 2012 - December 2013
 - Served customers of the bakery, listened to their needs, developed careful listening skills

Projects

- **Undergraduate research - Robotic hand** / November 2015 - April 2016
 - Supervised research on a robotic hand in a context of manipulation of deformable objects. Will be working on the software (C / C++) and on the collection of data for Ph.D. students.
- **Side Project – Sudoku Solver** / October 2015...
 - Started working on a web app that can solve sudokus. After this is over, the objective is to make it interpret a picture of an unsolved sudoku grid using neural networks.
- **Startup Collaboration – Atmos** / June 2015...
 - Participate in the development of the *Meteor* web app platform that aims to replace the current technology offered by universities in terms of educational portal. Great opportunity for collaborative work.
- **Side Project - Vector Calculator** / September - October 2014
 - Built a web app capable of many vectorial calculations useful for engineering students
 - See vectorscalculator.com
- **Physics Project – Robot Adapted to its Environment** / February - April 2014
 - Built a robot capable of detecting a target, going to this target and stopping in front of it (using an Arduino)
 - Received an award of distinction for best science project of the day
- **Certificate – CS50x by the Harvard Extension School** / March 2014 - August 2014
 - Completed an online university project driven course on programming in C
- **Tutoring**
 - October 2011 to May 2012: Assisted young disadvantaged people in their studies and homeworks on a weekly basis
 - January 2014 to May 2014: Helped two cégep (Québec college) students having difficulties in written French