# **Nicolas Primeau**

CONTACT

101 Sweetland Avenue, apt. 3 Ottawa (Ontario), K1N 7V1

Canada

E-mail: nicolas.primeau@gmail.com **Website:** http://nicolasprimeau.org/

**Phone:** 1-613-915-7187

**EDUCATION** 

# BASc in Computer Engineering

September 2011 — April 2015 (Expected)

University of Ottawa

The Computer Engineering Bachelor of Engineering at the university of Ottawa focuses on hardware design and architectures and low-level software such as Assembly and C. The program is broad in scope, with emphasis on electronics, hardware and software design, communication and control.

WORK **EXPERIENCE** 

# **Natural Resources Canada**

May 2014 — August 2014

**GPS Data Analyst** 

- Designed a system to automatically stream, process and validate new format of **GNSS** data
- Created intranet Web Apps to visualize and graph GNSS data for the international GNSS community
- Automated many tasks and processes to facilitate converting satellite data from stations throughout Canada and the world into refined data

# Computing and communications services (uOttawa)

May 2013 — February 2014

Web Development assistant

- Worked on the WebCMS (Drupal 7) project, which involved back-end work (PHP, Nginx, Varnish and server configuration), front-end design (CSS, HTML, JavaScript) as well as other tasks.
- Involved in the launching of the new uOttawa site and other faculty and services
- Sample of something I've worked on: http://www.uottawa.ca/

#### **Web Master**

July 2014 — Present

Contract

- Contract work for the Human Rights Research and Education Center of the University of Ottawa to build and maintain their website
- Link to the site: http://cdp-hrc.uottawa.ca/

PROJECTS AND COMPETITIONS

#### Capstone Project (September 2014 - Ongoing)

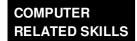
- Smart system capable of keeping track of food stocks, accessible by web
- Created with the help of sensors, Arduino, MongoDB, Python, Raspberry Pi, networking and many more technologies
- Completed by a team of three members, of which I had the role of project manager and product engineer

### uOttawa Coding Competition - Robocode (February 2013)

- Our team won the competition with our robot 'Brobot'
- The goal was to code the behavior of a simulated robot which would fight against other robots

### Many other miscellaneous projects

- AC97 sound transmitter
- Personal Website
- Other unfinished projects



#### Hardware specific skills:

- Hardware description languages: VHDL
- Low level understanding of many micro processor and memory architecture
- Experience with micro-controllers and FPGAs (Altera, Xilinx)
- Previously used Altera and Xilinx design tools

#### Software specific skills:

- Web-specific languages: JavaScript, CSS, HTML, PHP
- Other languages: Python, C/C++, Assembly, Java
- Database: MongoDBFrameworks: OpenCL

#### Other computer skills:

- Worked with Nginx, Apache, Varnish and Git
- Knowledge in networking protocols and experience managing networks
- Experienced user of Linux, Windows, Chrome OS and Mac OS

Nicolas Primeau 2