Ryan Wilson-Perkin

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About Me

I'm a school and self taught programmer with a strong interest in security, HCI, and open source.

Proficiency

- Python
- HTML/CSS/JS
- C/C++
- System Administration

Experience

Teaching Assistant at *University of Guelph*

January 2014 - April 2014
September 2014 - December 2014
September 2013 - December 2013
January 2012 - April 2012

- Instructed classes twice a week on Git, Linux, and C
- Provided extra-help sessions for students
- Monitor lectures and assist the professor in answering questions

Software Engineer at *Thalmic Labs*

May 2014 - August 2014

- Used the iOS Core Bluetooth framework to simulate interaction with a Myo
- Developed an application for converting accelerometer and gyrometer data into MIDI events
- Translated machine learning algorithms from Matlab to firmware code

Software Engineer at *Google*

January 2014 - April 2014

- Worked with the Ads anti-malware team to detect and delete malware
- Created data visualization tools to better display incoming information
- Designed and developed parallel pipelines for data transformation

Frontend/Backend Developer at *Wave Accounting*

April 2013 - August 2013

- Created an open source API in Python for interacting with a SaaS targeted email provider
- Re-designed responsive views using Bootstrap and Backbone Forms
- Implemented event tracking via RESTful calls to multiple analytics providers

Continuous Integration Engineer at *Research In Motion*

May 2012 - December 2012

- Developed a Perl library for real time build monitoring and logging
- Configured build machines and resource allocation pools
- Developed a metadata based build versioning system in Groovy

Education and Awards

- University of Guelph, B. Computer Science w/ Honours Coop
- Top 25% Canada Computing Contest by University of Waterloo

Volunteering and Causes

- Executive and Co-Founder of the Guelph Coding Community
- President of the Society of Computing and Information Sciences
- Speaker at Democamp Guelph
- Speaker at events by the Guelph Coding Community
- Volunteer at PyconCa 2013