

William McDonald

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About Me

I'm a student with a love for learning and a passion for finding elegant solutions to challenging problems. Things that I particularly enjoy include Python, JavaScript and Ubuntu. View my portfolio on GitHub [@WalrusCow](#).

Work Experience

JavaScript Developer, Bazaarvoice Inc., Austin, TX. Sept. – Dec. 2013

- Worked in a full JavaScript stack including node.js, PhantomJS, Backbone.js and jQuery
- Created a web application to detect product installation issues
- Built a web site to view render speeds in real-time using socket.io
- Designed and developed a web application to collect and report on client configuration data from a variety of internal sources
- Contributed to four different open source projects used by Bazaarvoice

Python Developer, Wind River Systems Inc., Ottawa, ON, Jan. – Apr. 2013

- Designed and implemented a program to automatically collect code coverage data and save it to a mongo database
- Created a web site to dynamically query code coverage results and view the data in a variety of graphical formats
- Enhanced existing test automation framework to automatically interpret test logs and upload the data to a web server

Computer Proficiency

- Proficient in JavaScript, Python, C++ and C, among other languages
- Complete grasp of both object-oriented and procedural programming

Education

Bachelor of Mathematics in Computer Science, University of Waterloo
(expected graduation: 2016)

- Dean's Honours list, Winter 2012 – Spring 2013
- Among the best 10 optimized compilers for CS 241 compilers course