

## Paul Woolcock

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### OVERVIEW

- For the last year, has been working as a Software Engineer for the security & storage company Barracuda Networks, out of their Ann Arbor, MI office.
- Graduated in April 2012 with a Bachelor's degree in *Computer Science*, with a concentration in *Software Engineering*
- For 3 years, built web applications for the University of Michigan-Flint using a variety of technologies, including *Python*, *PHP*, *Java*, *SQL*, *HTML*, *CSS*, and *Javascript*
- Has begun to explore the Open Source community by contributing to a handful of projects, and participating in a handful of communities via their IRC rooms and mailing lists
- Passionate about playing the guitar and learning new programming languages. Currently learning *Rust* and *Factor*, and has dabbled in many others

### OPEN SOURCE

*Rust Programming Language - Contributor*  
<https://github.com/mozilla/rust>  
<https://mail.mozilla.org/...012-March/001511.html>

January 2012

### EXPERIENCE

*Software Engineer*  
Barracuda Networks,  
Ann Arbor, MI

July 2012 - Present

- Works on the Barracuda Appliance Control project.

*Web Software Developer*  
University of Michigan-Flint,  
Information Technology Services, Flint, MI

September 2009 - July 2012

- Implemented a custom Events Management solution that allows the Academic Advising and Career Center to more easily manage their Career Fair events
- Implemented a Python wrapper for the campus Catalog API.
- Provided support and training for users of Autonomy/Interwoven Teamsite, the campus's Content Management System
- Developed Java/XSLT components for Autonomy/Interwoven Livesite, the Content Management System the campus is moving to
- Helped develop an E-Commerce solution for selling software to students, faculty, and staff on campus
- Implemented a Microsoft SharePoint 2010 system across campus, and held training sessions for users

*Student Web Software Developer*  
University of Michigan-Flint,  
Information Technology Services, Flint, MI

February 2009 - September 2009

- Developed a mobile version of the campus's Faculty/Staff directory
- Helped develop an interactive campus map using the Google Maps API
- Provided training and support for the campus CMS

## Helpdesk Technician

June 2008 - August 2009

Genesee County Community Mental Health,  
Information Technology Department, Flint, MI

- Provided desktop support to the Staff of GCCMH both over the phone and in person
- Assisted in the setup and imaging of new agency computers
- Performed basic Active Directory administration

## SKILLS

### Software Engineering

- Expert in *Python*. Expert in *Perl*, Fluent in *Erlang*, Fluent in *PHP* and *Javascript*. Proficient in *C*, *Java*, *Objective-C*, *Clojure*, and *C++*
- Experienced with web development frameworks like *Django*, *Flask*, and *CakePHP*
- Experienced with testing frameworks such as *Nose* and *JUnit*
- Experienced with version control systems such as *Git* and *Mercurial*

### Web Development

- Fluent in developing cross-browser, W3C standards-compliant websites and web applications
- Proficient in using external APIs such as those provided by *Facebook*, *Twitter*, and *Google*

### System Administration

- Familiar with configuring *Linux* distributions such as *RedHat Enterprise Linux*, *CentOS*, *Debian*, and *ArchLinux*
- Experienced in administrating web servers such as *Apache httpd*, *Microsoft IIS*, and *nginx* as well as *WSGI*-compliant web servers like *gunicorn*, *uWSGI*, and *mod\_wsgi*
- Experienced with in-memory data systems like *Redis* and *Memcached*
- Experienced with setting up and administrating *MySQL*, *PostgreSQL*, and *Microsoft SQL Server* databases
- Experienced with build systems like *GNU Make*
- Familiar with automated provisioning tools such as *Puppet* and *Chef* in a development environment

## EDUCATION

*Bachelor of Science*, Computer Science  
University of Michigan-Flint, Flint, MI  
April 2012

Concentration: Software Engineering

Minor: Mathematics

- For Senior Capstone Project, designed and wrote the code for an *iPad/iPod*-based hospital “Call Button” system.

*Bachelor of Arts*, Music  
Alma College, Alma, MI  
May 2005  
Concentration: Classical Guitar

*References available upon request*

The source code for this résumé is available at  
<https://github.com/pwoolcoc/resume.git>