

Website

Visit **zachcotter.com** to see some of my Ruby on Rails, Java, and Android projects.

Knowledge

Languages: Ruby, Java, Python, SQL, C#, C++, Racket/Scheme, XML, HTML, CSS, Less

APIs/Frameworks: Ruby on Rails, Android, Swing, JDBC, JPA, Yahoo Query Language API, Jira

Systems: Mac, Linux, Windows

Software: Git, ArcGIS, PostgreSQL, MySQL, MSSQL, Jira, Confluence, Openfire (XMPP server), Splunk

Experience

Web Development Coop.....January 2014 – July 2014

America's Test Kitchen, Brookline, MA

- Worked as a Full-Stack Ruby on Rails Developer on a network of sites with over 6 million users
- Integrated existing equipment review feature with Amazon's affiliate program
- Improved back-end systems and worked with the PostgreSQL database
- Built front-end pages from the design team's photoshop composites

Software Engineering Coop.....January 2013 – August 2013

NaviNet, Boston, MA

- Designed a step based development environment provisioning framework in Python to automate what used to be a 2-4 week manual setup process.
- Created a database decompression utility in C# that was used to resolve a production incident.
- Built a Python utility that cross-referenced a list of scheduled production jobs against Splunk event log data to find unstarted or incorrectly scheduled jobs.
- Developed several Java programs that used Atlassian's Jira API.

Bootstrap Teacher (Volunteer).....Spring 2011 – Fall 2012

Orchard Gardens K-8, Boston, MA and Dever-McCormack K-8, Dorchester, MA

- Lead teacher starting Spring 2012- managed a team of other student teachers.
- Taught middle school students to program video games in Scheme (bootstrapworld.org).

Assistant Manager.....May 2012 – August 2012

Deerspring Pool, Deerfield IL

- Supervised daily routines of over 80 pool employees.
 - Facilitated guard training and evaluated employee performance.
 - Coordinated with EMS responders during emergencies.
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Education

Northeastern University, Boston, Ma.....2010 – present

Candidate for a Bachelor of Science in Computer Science and Environmental Science, 2015

Relevant Courses: Discrete Structures, Logic and Computation, Fundamentals of Computer Science I & II, Database Design, Object Oriented Design, Geographic Information Systems, Theory of Computation, Algorithms and Data Structures, Software Development, Mobile App Development

Interests

Swimming, Running, Programming, Cooking, Camping, Skiing, Skydiving
