

Zachary Adam

Website/Online Resume: www.pitt.edu/~zta6/

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EDUCATION:

University of Pittsburgh, Pittsburgh, PA

Expected Graduation: August 2018

Bachelor of Science in Computer Engineering

Overall GPA: 3.51

Relevant Coursework:

Software Engineering, Software Quality Assurance, Introduction to Operating Systems, Programming Languages for Web Applications, Data Communication and Computer Networks, Algorithm Implementation

TECHNICAL SKILLS

Languages:

Expert: Java *Intermediate:* C, HTML5/CSS3 *Introductory Knowledge:* JavaScript, Ruby, Python, VHDL

Other Technologies, Tools, etc.:

Git, Agile, NetBeans, Bootstrap, Arduino, Rational ClearCase, Microsoft Word, Excel, PowerPoint

WORK EXPERIENCE

Compunetix, Inc., Monroeville, PA

Spring 2017 & Fall 2017

Co-Op Software Engineer - Federal Systems Division (Java)

- Independently programmed an automated testing application for use as an in-house development and debugging tool
- Created a simple, loosely typed, compiled scripting language to allow scripting of system tests
- Partnered with a team of developers to fix defects, implement new features, and develop a new user interface in a production codebase consisting of approximately 2 million lines of code.

Compunetix, Inc., Monroeville, PA

Summer 2016

Co-Op Test Engineer – Federal Systems Division

- Thoroughly performed regression testing of communications systems in a timely manner
- Wrote detailed and understandable documentation for all discovered defects

PROJECTS, RESEARCH, & STUDY ABROAD

Computer Engineering Senior Design Project: RF Localization for Emergency Response January - April 2018

- Designed, created, and demoed working prototype of a localization system for individuals in distress on college campuses using a network of radio frequency receivers and transmitters
- Utilized microcontrollers, XBee radio modules and a Python Flask server hosted on AWS to estimate the position of a distress signal transmission

Research: System-Wide Blocking of Web Trackers on Mobile Devices

February 2016 - February 2017

- Undergraduate research with University of Pittsburgh Computer Science Department
- Learned how to understand existing solutions to a problem and analyze their pros and cons
- Reverse-engineered a content blocker for Android from open-source projects

Study Abroad: Cusco, Peru

May 2016

- Two week long study abroad experience consisting of community service and coursework
- Studied Inca civil engineering and architectural principles, as well as Inca/Peruvian culture and history

LEADERSHIP & INVOLVEMENT

University of Pittsburgh Outdoors Club Whitewater Activities Chair

Fall 2017 - Spring 2018

- Wrote and presented trip and budget proposals for whitewater rafting and kayaking trips
- Organized trips and lead inexperienced rafters through challenging whitewater

Wounded Warrior Project/National Honor Society

Fall 2013 - Spring 2014

- Supervised 35 fellow students in the organization of a car show with National Honor Society
- Raised over \$5500 via entry fees, concessions, raffle baskets and a 50/50 raffle, which was donated to Wounded Warrior Project