

Zachary Wieand

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EDUCATION

UNIVERSITY AT BUFFALO

BS IN COMPUTER SCIENCE

MINOR IN MATHEMATICS

Expected May 2017 | Amherst, NY

Dean's List (6 Semesters)

Cum. GPA: 3.91 / 4.0

COURSEWORK

Intro to Computer Science I & II

Discrete Mathematics

Data Structures and Algorithms

Digital Systems

Programming Languages

Algorithms

Operating Systems

Fall 2016

Machine Learning

Scientific and Mathematical Computing

Intro to Security

SKILLS

PROGRAMMING

Over 6000 lines:

Java

Over 2000 lines:

Python • C

Over 1000 lines:

C++

Familiar:

Android • Flask • HTML • CSS

EXTRACURRICULAR

ACTIVITIES

Secretary of Association of Computing Machinery

Update Events Page of ubacm.org on a weekly basis

Organizer of UB Hacking 2014/15/16

Member of University at Buffalo Division

2 Inline Hockey Team

Participant of University at Buffalo

Intramural Volleyball

RELEVANT WORK EXPERIENCE

GOOGLE | SOFTWARE ENGINEER, TOOLS AND INFRASTRUCTURE INTERN

May 2016 - August 2016 (12 weeks) | Mountain View, CA

- Extended an existing iterative testing tool for Java regression tests. Allows engineers to run these tests 5 times faster.
- Added in a test case filtering feature to the tool for even faster test run speeds.
- Fixed race conditions and other bugs in order to speed up the release of the testing tool.

GOOGLE | ENGINEERING PRACTICUM INTERN, GOOGLE APPS FOR WORK

May 2015 - Aug 2015 (12 weeks) | Mountain View, CA

- Implemented a shell script to automatically detect and repair missing test coverage for code review and submission of widely used libraries. Doubled test coverage for these libraries.
- Designed, implemented, and deployed a Java MapReduce job to report and fix 7 types of data corruption.

UNIVERSITY AT BUFFALO | UNDERGRADUATE TEACHING ASSISTANT

Aug 2014 - Present | Buffalo, NY

- Teach 20+ Intro to Computer Science I & II students.
- Hold weekly office hours to guide students through data structure and algorithm design.
- Write 5-10 weekly homework problems for students.

UB HACKING 2016 | LEAD WEB DEVELOPER

- Deployed a Flask web framework to a Digital Ocean Ubuntu server.
- Managed the operations of client and server side teams.
- Held biweekly meetings with web team to discuss progress and road blocks.
- Frequently met with other team leads to discuss other features needed on the site.

PERSONAL PROJECTS

PDF SCRAPER | PYTHON • FLASK • PYMONGO • PDFMINER

Summer 2015

- Designed a system to find the GPA and programming languages of an uploaded resume for the UB Hacking 2015 event.
- Allows ubhacking's sponsors to filter through participants resumes and download the ones they select as a compressed zip file at 10x the normal speed.
- Can be seen at: <https://github.com/zmwieand/PDF-Scraper>

GEOTWEET | JAVA • ANDROID • TWITTER4J

Spring 2014

- Android application to search Twitter based on query content and location.
- Upon entering in a search query and tapping a position on a Google Map View, the application will return 10 recent tweets within a 50 mile radius.
- Can be seen at: <https://github.com/zmwieand/GeoTweet>