

# Zachary Wieand

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## EDUCATION

### UNIVERSITY AT BUFFALO

BS IN COMPUTER SCIENCE

MINOR IN MATHEMATICS

Expected May 2017 | Buffalo, NY

Dean's List (4 Semesters)

Cum. GPA: 3.90 / 4.0

## COURSEWORK

Intro to Computer Science I & II

Discrete Mathematics

Data Structures and Algorithms

Digital Systems

Programming Languages

Linear Algebra (Fall 2015)

Algorithms (Fall 2015)

## SKILLS

### PROGRAMMING

Over 4000 lines:

Java

Over 1000 lines:

Python • 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 2015/2014

Member of University at Buffalo Division

2 Inline Hockey Team

Participant of University at Buffalo

Intramural Volleyball

## RELEVANT WORK EXPERIENCE

### 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.

## OTHER WORK EXPERIENCE

### F & H CLEANING SERVICES, LLC | CREW CHIEF

Sept 2011 – Present | Lancaster, NY

- Clean office buildings and houses.
- Manage crews of 5 people.
- Work on average 15 hours per week.

## 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>

### SCROLLR | C++ • OPENCV

Fall 2013

- Chrome Extension which enables the browser to scroll vertically and horizontally in response to users' facial movement.
- Winner of Kent Hack Enough 2013.