

# Michael Kulbacki

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## EDUCATION

### UNIVERSITY AT BUFFALO

#### BS IN COMPUTER SCIENCE

Expected May 2017 | Buffalo, NY

College of Engineering and Applied Sciences

Cum. GPA: 3.6 / 4.0

## SKILLS

### PROGRAMMING

Experience With:

Java • C++ • C • CSS • HTML  
Bootstrap

Exposure To:

Python • JavaScript

### TOOLS

Android Studio

Eclipse

GitHub/ Git

Google Analytics

Adobe:

Photoshop/ Lightroom

## COURSEWORK

Intro to Computer Science Majors I , II

Discrete Mathematics

Data Structures and Algorithms

Digital Systems

Programming Languages

Web Development

Algorithms

Operating Systems

Networking Concepts (Fall 2016)

Software Engineering (Fall 2016)

## EXTRACURRICULAR

### ACTIVITIES

UB Association for Computing Machinery

UB Equity Research Club: Analyst

UB Division 2 Inline Hockey

UB Intramural Volleyball

Ice Hockey (16+ years)

Photography

Web Design

## RELEVANT EXPERIENCE

### GP:50 | MOBILE APPLICATION DEVELOPER

SUMMER 2016

Android Studio • Java • XML

- Using Androids LE Bluetooth API to design an app to communicate with a temperature/ pressure sensor
- Developing a mobile app to use a USB connection to transfer sensor information to speed up company efficiency in recording data

### PROJECT MIMIR | UNDERGRADUATE RESEARCHER

SUMMER 2016

Scala • SQL / SQLite • Bootstrap

- Mimir wraps around a traditional relational database system and allows users to explicitly track data quality through a construct called a Lens
- Building specific functions to interact with uploaded data and refining the UI

### SOFTREK | ENGINEERING INTRAMURAL

SPRING 2015

jQuery Mobile • HTML • CSS • Adobe Phone-Gap

- Developed an app with a team that searches users in SoftTrek's database, uploading images to a profile and logging in with specific company credentials
- Used Adobe Phone-Gap and Apache to seamlessly make multiple versions for different OS's and designed the UI with HTML and CSS including smooth transitions and effects using the jQuery Mobile platform

## OTHER EXPERIENCE

### STEREO ADVANTAGE | IFUL EMPLOYEE

JUNE 2014 – PRESENT

Buffalo, NY

- Responsible for assembling specific commercial product files and uploading the completed product to the companies website to be sold and distributed

## PERSONAL PROJECTS

### SMART MIRROR | HTML • CSS • JAVASCRIPT • PYTHON

University at Buffalo Hackathon 2015 (3rd Place) | Buffalo, NY

- Created a Smart Mirror in 24 hours using one-way glass to act as a mirror until information is displayed from the monitor behind it
- Implemented the Yahoo Weather API to continually update weather information for a given location
- Included a live Twitter feed along with a stock ticker to keep the user connected at all times to their content

### MK PHOTOGRAPHY | BOOTSTRAP • HTML • CSS • JAVASCRIPT

Spring 2015 | Buffalo, NY

- Designed a personal website to display my computer science projects and photography portfolio for anyone to interact with
- Responsive web design ques included in each page to fluidly scale down to any screen size on any device
- Implemented Google Analytics to track website traffic and usage

### THUMB TRACK | ANDROID STUDIOS • JAVA • XML

University at Buffalo Hackathon 2014 | Buffalo, NY

- Developed an android app in 36 hours that tracks the distance the user scrolls on their phone by tracking the coordinates given by touch points