

# Kyle Williams

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## EDUCATION:

**State University of New York at Buffalo**

**Bachelor of Science in Computer Science, Expected May 2019**

## RELEVANT COURSES:

- Data Structures
- Discrete Structures
- Computer Security
- Algorithms
- Computer Organization
- Embedded Systems
- UI/UX Design
- Intro to Machine Learning
- Distributed Systems

## PROJECTS:

***Buffalo Potholes*** – Flask, Python, HTML/CSS, JavaScript

- Created a web application ticketing system designed to improve the reports of potholes around the city of Buffalo and speed up the process of fixing potholes around the city.
- Created our own RESTful API to interact with our database and utilizes Google Maps API to display all reported potholes in the city with descriptive information attached to each marker on its location.

***Umbrella*** – Flask, Python, HTML/CSS, JavaScript

- Created a web app designed to notify a user via text message every day whether or not to bring an umbrella.
- Users are able to create an account and specify their location for the weather and the time for notifications.
- Using the OpenWeather API the daily forecast is gathered and parsed and a text message is built and sent via the Twilio API.

***Heart Rate Body Camera***

- An Arduino project integrating a heart rate monitor and camera to record video when the heart rate is raised passed a predetermined bpm. Aims to reduce the overwhelming need for video storage space.

## SKILLS:

- **Programming Languages:** Java, C++, HTML/CSS, SQL, Python, JavaScript
- **Technologies/Environments:** Unix/Linux, Windows, Bootstrap, Flask, AngularJS, Git

## EXPERIENCE:

**National Fuel** – Williamsville, New York

June 2018– August 2018

**Software Development Intern**

- Development of PeopleSoft Applications with a team of developers
- Involved application enhancement requirements, design, testing, implementation and documentation
- Communicated with the business users to perfect designs and solutions to reoccurring issues
- Refactored, optimized and enhanced existing applications in production
- Updated and maintained the user interface of the company's corporate website

**Pro Shop** – University at Buffalo

August 2016 - Present

**Pro Shop Attendant**

- Enforced rules and regulations of recreational facilities to maintain discipline and ensure safety.
- Created engaging and interesting point-of-purchase displays to increase sales of items
- Utilized strong interpersonal and communications skills to serve customers
- Managed the daily operations of recreational facilities.

## ORGANIZATIONS/ACTIVITIES:

- |  |             |                          |
|--|-------------|--------------------------|
| • UB Coding Group                              | Member      | September 2016 - Present |
| • UB Association for Computing Machinery (ACM) | Member      | September 2016 - Present |
| • National Society of Black Engineers (NSBE)   | Member      | September 2016 - Present |
| • UB Hacking                                   | Participant | November 2015 – 2018     |