Kyle Williams

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EDUCATION:
State University of New York at Buffalo
Bachelor of Science in Computer Science, Expected May 2019

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.

DropCode
- A game application designed to help engage students learning about programming languages. In the application students are paired against one another and tasked to complete coding challenges under a time limit. Students also have the ability to create their own coding challenges to use in the application.

Embedded Body Camera
- An embedded Arduino project designed to record video whenever the user's heartrate has reached an elevated level and there is motion in front of the user.
- The app would take in data from a heartrate sensor and based on the resting heartrate of the user the camera senor would record once the heartrate has reach an elevated state until the heartrate has returned to resting.

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

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