(857) 244-5977 ly.william02@gmail.com

EDUCATION

Amherst, MA University of Massachusetts - Amherst August 2020 – May 2024

- College of Information and Computer Sciences
 - o Bachelor of Science in Computer Science; 4.0 GPA
 - o Commonwealth Honors College
 - o Course Work: Data Structures, Discrete Math, Programming Methodologies, Linear Algebra
- Red Pine Scholar

Revere, MA Revere High School September 2016 – May 2020

- High School Diploma
- 3.70 GPA
- Rank 3 out of 404

TECHNICAL EXPERIENCE

Software Engineer, Intern Revere's City Hall October 2019 – August 2020

RevInventory

- Leveraged Java, React Native, and Google Firebase to develop a full stack inventory management system for the City of Revere to efficiently manage over 150 of the Water and Sewage Department's supplies and of the city's COVID-19 supplies.
- Presented improvements to the project manager and listened for their feedback.
- Utilized free online resources to learn how to implement React Native and Google Firebase.

Data Entry, Intern Massachusetts General Hospital Lab of C.S. July 2019 – August 2019

- Automated the process of entering data into the given user interface, saving hours of time.
- Engineered a program in Python that linked words to common misspellings/variations in order to improve the word processing of a chatbot.
- Attended technical meetings and strengthened understanding of application development.

PROJECTS

- Classmate Finder at UMass (2020 Present):
 - Implemented HTML, JavaScript, CSS, and Django to develop a website that allowed UMass students to
 easily share social media accounts with other students in their classes, creating 5000+ connections
 between students.
 - Synchronized Google Sign-In with Django's built-in authentication system in order to link Google accounts with users' information stored in the database.
 - Used AJAX to improve speed and performance of the website.

• Digital Map of Revere High School (2019 - 2020):

- Designed a digital map of local high school which uses pathfinding to find the closest route between two classrooms.
- Utilized Google API to verify a user's student status to grant access to the map.
- Leveraged Inkscape to recreate a map of highschool as an SVG file.

SKILLS

- Programming Languages: C; JavaScript; Java; Python; HTML; CSS; PHP
- Frameworks: Django; Git Version Control; React Native; Google Firebase
- IDEs: Visual Studio; Eclipse; IntelliJ IDEA