

# Zhiyang Zuo

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## EDUCATION

### University of Massachusetts Amherst

Amherst, MA

*Candidate for Bachelor of Science in Computing & Informatics*

*Expected Graduation: May 2024*

**Coursework:** Computer Systems Principles, Programming Methodology, Introduction to Computation, Calculus II and III

### Bunker Hill Community College – Dual Enrollment

Boston, MA

**Coursework:** Advanced Java Programming, Data Structures, Statistics I, Calculus I

## PERSONAL PROJECTS

### Personal Website (<https://zzuo123.github.io/>)

*January 2021 – Ongoing Project*

- Programmed using JavaScript, HTML, SASS to showcase personal projects and experiences
- Utilized JavaScript libraries such as swiper.js to deliver a smooth user experience
- Improved my UI design skill by learning and using the Figma software to design the website

### Daily App (<https://daily-app-twd.herokuapp.com/home>)

*December 2020 - January 2021*

- Created a Python Flask web app and deployed it on Heroku to help users keep diaries and track weather and time
- Utilized Open Weather Map API and python request module to retrieve accurate weather data based on zip code
- Designed and implemented a data model to store and query user data efficiently on a remote PostgreSQL database
- Implemented email-based authentication and password hashing and salting to ensure user account security
- Utilized the Bootstrap framework and CSS media queries to make the website interactive and mobile responsive

## EXPERIENCE

### Biogen

Cambridge, MA

*Summer Intern, Technical Product Complaint Department*

*June 2021 - August 2021*

- Designed and implemented a product defect knowledge wiki with a global team of subject matter experts
- Created Python program using the natural language training toolkit library to extract common wordings from past 10k+ customer complaints
- Automated an excel index match process using Python and the Pandas library to standardize data processing and increase efficiency

### YMCA

Malden, MA

*Zero-Robotics Program Instructor*

*June 2019 – July 2019*

- Co-taught programming and physics to 30+ elementary school students to prepare them for the Zero Robotics state competition in which they placed 2nd and 3rd
- Oversaw 2 hands-on projects and 1 field trip to ensure student safety

### Sacred Valley Project

Ollantaytambo, Peru

*Volunteer*

*August 2019*

- Participated in a 30-hour project to create a vegetable garden that provides healthy food for the project
- Renovated a classroom that provides education to indigenous children

## ACTIVITIES

### Advent of Code (Global Annual Coding Challenge)

Online Event

- Participated virtually in daily coding challenges to practice competitive programming
- Ranked 4th out of 27 in UMass Amherst private leaderboard

*December 2020*

### Computer Club

Malden, MA

- Participated in weekly meetings/discussions about computer hardware and software
- Competed in the MA Hacks hackathon and developed a Twitter bot that utilizes the Twitter API and Python web scraping to share information about new movies to Twitter

*September 2017 - May 2019*

## SKILLS

**Programming language:** Python (advanced), Java (advanced), C (intermediate), JavaScript (intermediate), SQL (familiar)

**Technology:** Version Control (Git & GitHub), Linux, Vim, Figma, Raspberry Pi

**Language:** English (proficient), Mandarin (native), Spanish (intermediate)