Zhiyang Zuo

65 Dutton St, Malden, MA 02148 | (781) 526-9392 | georgezuo888@gmail.com | https://github.com/zzuo123

EDUCATION

University of Massachusetts Amherst   Amherst, MA
Candidate for Bachelor of Science in Computing & Informatics   *Expected Graduation: May 2024*
Coursework: Calculus II and III, Computer Systems Principles, Programming Methodology, Introduction to Computation

Bunker Hill Community College – Dual Enrollment   Boston, MA
Coursework: Statistics I, Calculus I, Advanced Java Programming, Data Structures

PERSONAL PROJECTS

Daily App   *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+salting to ensure user account security
- Utilized the Bootstrap framework and CSS media queries to make the website interactive and mobile responsive

Mclip Plus Plus   *October 2020*
- Created a Python command line clipboard app that allows users to store and access texts in a key-value model
- Automated text retrieval process using the pyperclip module to copy the desired text directly to the user's clipboard
- Simplified program calling using a custom batch script, shortening user commands by 50%

EXPERIENCE

YMCA   Malden, MA
Youth Leaders Club   *February 2018 – January 2020*
- Assisted at the monthly food drive to ensure proper food distribution
- Organized 10+ community events to improve community relationships

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

Computer Club   Malden, MA
- Participated in weekly meeting/discussion about computer hardware and software   *September 2017 - May 2019*
- 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

Malden High School Math Team   Malden, MA
- Competed monthly in the Massachusetts Math League Meets   *September 2019*
- Placed 2nd out of 7 schools in the Division III competition

Advent of Code   Online Event
- Participated virtually in daily coding challenges to improve coding skills   *December 2020*
- Ranked 4th out of 27 in UMass Amherst private leaderboard

SKILLS

Programming language: Java, C, Python, JavaScript, HTML, CSS, SQL
Software: IntelliJ, VSCode, Vim, Git, Microsoft Excel, Word, PowerPoint
Language: Fluent in Cantonese and Mandarin