Garvey Zhou

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EDUCATION

University of Michigan, Ann Arbor, MI   *B.S. Computer Science*, *May 2023*
GPA: 3.768
- **Relevant Coursework**: Data Structures and Algorithms, Intro to Computer Organization, Computer Vision, Foundations of Computer Science, Web Systems, Cyber Security

Stuyvesant High School, New York, NY
Regents and Stuyvesant Diploma June 2019

PROJECTS

Instagram Clone, *School Project*   *Fall 2021*
- Collaborated with a teammate to build a social networking web application like Instagram
- Developed the frontend using React.js and a backend/RESTful API with Python using Flask and SQLite libraries

Stock Scraper, *Personal Project*   *Summer 2021*
- Implemented Beautiful Soup and Yahoo API to scrape stocks in the S&P500.
- Conducted automated statistical analysis using weekly data to find profitable tickers.

Graphics Engine, *School Project*   *Summer 2019*
- Built a functional graphics engine in C capable of creating 3D shapes including spheres and cones based off the Phong lighting model
- Implemented a parser to allow the engine to render complex objects using mesh files.

WORK EXPERIENCES

U-M Information and Technology Service   **Ann Arbor, Mi**
Tech Consultant   *Fall 2021-Present*
- Assisted faculty, staff, and students with their usage of all technology provided in Campus Computing Sites facilities and services as well as personal device support.
- Utilized a ticket system and consultation to deal with and fix technical issues.

ABCMATH Academy   **New York, NY**
Teacher's Assistant   *Summer 2018 – 2019*
- Organized and graded assignments for a class size of 30+ high school students.
- Tutored struggling students in geometry and biology as well as prepare them for SAT.

ACTIVITES

Michigan Eco Data   **Ann Arbor, MI**
Member   *Fall 2020-Present*
- Collaborated with a team of 10+ members to create a synthesizer that compiles hundreds of environmental articles from 20+ news sites for further analysis and organization.
- Assisted in updating and maintaining the club website.

Hack Blue   **Ann Arbor, MI**
Member   *Fall 2020 - Present*
- Developed a course curriculum to introduce underrepresented students in the local community to new possibilities in the fields of computer science and technology.
- Taught middle schoolers programming with Scratch over Zoom

SKILLS

- Proficient in C/ C++, Python, Java
- Proficient in Microsoft Office and Excel
- Familiar with HTML, SQL, Matlab, and Assembly
- Familiar with Mandarin