Sheng Huang
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EDUCATION

Massachusetts Institute of Technology **Expected May, 2024**
B.S. in Computer Science and Engineering *Cambridge, MA*

Relevant Courses: Single Variable Calculus; Multivariable Calculus; Mathematics for Computer Science; Computational Structures; Electricity and Magnetism; Introductions to Algorithms; Fundamentals of Programming; Interconnected Embedded Systems;

Charles W. Baker High School **June 2020**
Highschool Diploma *Syracuse, NY*

WORK EXPERIENCE

Massachusetts Community Foundation **Jan. 2022 – Feb 2022**
Performance Data Analytic Intern *Cambridge, MA*
- Gather and document project requirements for reports and interactive dashboards
- Data analysis and data cleansing with Python
- Independently created Python application that easily identifies and categorizes information from reports.

Massachusetts Institute of Technology **Sep. 2021 – Dec.2021**
Physics Teaching Assistant *Cambridge, MA*
- Teaching and discussing physics concepts to students (mainly 12 students) who are confused or needs clarification on certain questions or topics.
- Responsible for grading students' physics problem sets (around 70 or 75 problems each week).

Massachusetts Institute of Technology **Feb 2021 – June 2021**
Research Software Developer *Cambridge, MA*
- Created software based on provided research written in Python to analyze Gibbs Free Energy and Activity Data of various anions and compounds so that we can accurately predict the amount of carbon dioxide released after creating specific metal used for green technology such as solar panels and electric cars.
- Created user manual in LaTeX on how to use the program to accurately draw out a graph.
- Responsible for both the front and the backend of the GUI.

Ek Kadam Aur **June 2021 – Aug 2021**
Technology Access Impact Assessment Intern *Remote*
- Develop means for blind students to effectively use digital technology in the classroom by researching about new technologies and creating reports that gave suggestions on which technology should be implemented in to the blind classrooms.
- Created multiple reports and guides on which technologies to consider for a blind classroom.
- Conducted surveys about student's collaboration and experience during COVID times.

SKILLS & INTERESTS

- **Skills:** Python; Assembly hardware language, MiniSpecs hardware language; GitHub; GitBash; Java; Python; LaTeX; Pycharm; Sublime Text; Terminal; OverLeaf; Google Suite; Microsoft Suite; Public Speaking; Leadership; Time Management; Tasks Management; Violinist; Eagle Scout;
- **Interests:** Building hardware (capacitors, tesla coils etc); fixing technologies (PC, Laptop, Mac); Skateboarding; Playing violin; hiking