Grace Huang

(+1) 650-656-3402 | gracefh@mit.edu | gracefh.github.io/portfolio | gracefh | g-huang

Education

Massachusetts Institute of Technology *Cambridge, MA*

M.Eng in Computer Science, MIT Visualization Group *Sep 2023 – May 2024 (expected)*

Massachusetts Institute of Technology *Cambridge, MA*

B.S. in Computer Science / GPA: 5.0 *Sep 2020 – May 2024 (expected)*
- **Computer Science Coursework:** Interactive Music Systems (6.4550), Software Studio (6.1040), Computer Systems Engineering (6.1800), Intelligent Multi-modal User Interfaces (6.8510), Interactive Data Visualization and Society (6.C85)
- **Other Relevant Coursework:** Linear Algebra (18.06), Differential Equations (18.03), Probability and Random Variables (18.600)

Work Experience

Hudson River Trading *New York, New York*

Algorithm Engineering Intern *May 2023 – Aug 2023*
- Created price viewing tool for stocks using TradingView in React and Python
- Implemented an internal dashboard to visualize directed acyclic graphs and associated information using Plotly Dash and SQLite

MIT Computer Science and Artificial Intelligence Lab, Visualization Group *Cambridge, MA*

Researcher *Sep 2022 – Present*
- Working on Bluefish, a visualization language seeking to allow humans to better reason about diagrams
- Create core components and example visualizations using React
- Read important visualization-related papers to gain context

Meta, Facebook Business Growth *Menlo Park, CA*

Software Engineering Intern *May 2022 – Aug 2022*
- Created tooling to allow programmers to diagnose potential errors in a process, using Hack for back-end and React for front-end
- Proposed and drove an additional independent project after completing all base project milestones ahead of schedule

Hudson River Trading, Women in Tech and Trading Internship *New York, New York*

Intern *Jan 2022*
- Implemented a book builder and created trading signals, which were used in mock trading

Meta, Facebook Stories Delivery *Menlo Park, CA (Virtual)*

Software Engineering Intern *Jun 2021 – Aug 2021*
- Launched feature that caused 300k additional daily Facebook stories views
- Worked across multiple parts of the code base, using C++, Python, and Hack
- Completed multiple high-impact projects and independently proposed separate projects to pursue

Haystack Group, MIT Computer Science and Artificial Intelligence Lab *Cambridge, MA*

Researcher *Oct 2020 – May 2022*
- Helped design an electronic health record system that improves on physicians' notes with live autocomplete and contextual documentation by leveraging structured and semi-structured information parsed from existing records
- Used TypeScript, React, among other front end tools to design important graphs and other components of online clinical documentation interface

Skills Interests

Programming Languages and Frameworks: Typescript, React, Svelte, Vue.js, D3.js, HTML, CSS, Python, C++, Java, Hack (PHP), Git, LaTeX

Design: Adobe Illustrator, Figma, Adobe After Effects

World Languages: English (Native), Chinese (Native)

Interests: Full-Stack Development, Design, A Cappella, Cooking, Baking, Food, Taekwondo, Slacklining