

Grace Huang

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Education

Massachusetts Institute of Technology

M.ENG IN COMPUTER SCIENCE, MIT VISUALIZATION GROUP

Cambridge, MA

Sep.. 2023 – May 2024 (expected)

Massachusetts Institute of Technology

B.S. IN COMPUTER SCIENCE / GPA: 5.0

Cambridge, MA

Sep.. 2020 – May 2024 (expected)

- **Computer Science Coursework:** Interactive Music Systems, Software Studio, Computer Systems Engineering, Intelligent Multimodal User Interfaces, Interactive Data Visualization and Society
- **Other Relevant Coursework:** Linear Algebra, Differential Equations, Probability and Random Variables

Work Experience

Hudson River Trading

ALGORITHM ENGINEERING INTERN

New York, New York

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

RESEARCHER

Cambridge, MA

Sep 2022 – Present

- Working on Bluefish, a visualization language seeking to allow humans to better reason about diagrams
- Read important visualization-related papers, as well as use React in order to contribute to project

Meta, Facebook Business Growth

SOFTWARE ENGINEERING INTERN

Menlo Park, CA

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

INTERN

New York, New York

Jan 2022

- Implemented a book builder and created trading signals, which were used in mock trading

Meta, Facebook Stories Delivery

SOFTWARE ENGINEERING INTERN

Menlo Park, CA (Virtual)

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

RESEARCHER

Cambridge, MA

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 in general, Taekwondo, Slacklining