

# Grace Huang

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## Education

### Massachusetts Institute of Technology

M.ENG IN COMPUTER SCIENCE

Cambridge, MA

Sep.. 2023 – May 2024 (expected)

- Performing Research in MIT's Visualization Group

### Massachusetts Institute of Technology

B.S. IN COMPUTER SCIENCE / GPA: 5.0

Cambridge, MA

Sep.. 2020 – May 2024 (expected)

- **Computer Science Coursework:** Introduction to Algorithms, Fundamentals of Programming, Mathematics for Computer Science, Design and Analysis of Algorithms, Computation Structures, Software Construction, Introduction to Machine Learning, 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

## Skills

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

**Design:** Adobe Illustrator, Figma, Adobe After Effects

**World Languages:** English (Native), Chinese (Native), Spanish (Limited Working Proficiency)

## Work Experience

### Hudson River Trading

ALGORITHM ENGINEERING INTERN

New York, New York

May 2023 - Aug 2023

- Implemented stock price-viewing dashboard in React and Python
- Used Plotly Dash (Python) and SQLite, as well as other tools, to implement an internal dashboard for status-viewing purposes

### Visualization Group, MIT Computer Science and Artificial Intelligence Lab

RESEARCHER

Cambridge, MA

Sep 2022 – Present

- Working on Bluefish, a visualization language seeking to allow humans to better reason about diagrams
- Using Typescript and React in order to work with the language, as well as studying visualization-related literature

### Meta

SOFTWARE ENGINEERING INTERN

Menlo Park, CA

May 2022 – Aug 2022

- Interned on Facebook's Business Growth team
- Worked with both front-end and back-end development, using Hack and React
- Proposed and drove an additional independent project after completing all base project milestones ahead of schedule

### Hudson River Trading

INTERN

New York, New York

Jan 2022

- Interned as part of the Women in Tech and Trading Internship program
- Gained important quantitative trading knowledge through projects such as implementing a book builder and creating trading signals

### Meta

SOFTWARE ENGINEERING INTERN

Menlo Park, CA (Virtual)

Jun 2021 – Aug 2021

- Interned on Facebook's Stories Delivery team
- 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
- Launched feature that caused 300k additional daily Facebook stories views

### 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