

# 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 (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

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
- Create corecomponents and example visualizations using React
- Read important visualization-related papers to gain context

### 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, Taekwondo, Slacklining