

# Meredith Hu

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## Education

**Cornell University**, Ithaca, NY

May 2024

*Bachelor of Arts Double Major: Computer Science and Classics*

**Relevant Courses:** Data Structures, Algorithms, Computer System Organization, Functional Programming, Formal Verification, Programming Language Theory, OS, AI, Linear Algebra, Probability, Discrete Math

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## Work Experience

**Competitive Edge Tutoring** — *Test Prep & Coursework Tutor*

Jan 2025 – Present

- Deliver personalized tutoring sessions to elementary and middle school students preparing for standardized exams, developing strong skills in clear, adaptive communication.
- Learned new subject matter and exam formats rapidly, demonstrating initiative and a fast-learning mindset.
- Assigned targeted homework aligned with session content to reinforce new skills based on realistic expectations for student outcomes.
- Responded to daily feedback from supervisors, incorporating suggestions to improve instruction.

**Wyzant**, Remote — *Independent Tutor*

Jan 2025 – Present

- Deliver personalized tutoring sessions to weekly college-aged clients in graduate-level algorithms and circuits.
- Support and guide clients through complex computer science projects, including design, analysis, and tutorials for how to use software tools and programming languages.
- Obtained a 100% 5-star review rate in all reviewed sessions.

**Capra CS Lab**, Ithaca, NY — *Undergraduate Research Assistant*

May 2022 - May 2024

- Developed assembly level benchmarks to test features for a research language including binary operators, GPU externalization, and program synthesis.
- Automated testing of runtime metrics and statistic generation for benchmarks with scripting in Python.
- Created documentation for project compiler setup and assembly benchmark writing.
- Modeled an algorithmic problem using Python for the Z3 SAT solver to further formal verification skills.

**ReLearn**, Ithaca, NY — *Lead Designer and Operations Officer*

Jan 2022 – June 2022

- Led design efforts on ReLearn, a Cornell-student founded collaborative studying app, by analyzing user needs and communicating design plans to developers.
  - Planned and ran workshops for beta testing of new feature on 40+ people in Cornell classes and conducted user interviews on 15 users.
  - Organized and led 4 campus outreach events and one sponsored promotional event. Executed social media campaign on Instagram and university wide poster advertisement campaign for events.
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## Projects

**My Website** (Materialize) meredithmhu.github.io

Oct 2018 – Present

- Created a website on GitHub Pages using Jekyll for page layout management and HTML/CSS for styling. Website includes navigable menu bar, resume, and interactive portfolio of software projects.
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## Skills

**Programming Languages:** Python - including numpy, Java, C, OCaml

**Natural Languages:** English, Mandarin, Latin (Translation)

**Front-end Development Tools:** Jekyll, HTML, CSS, GitHub Pages

**Developer Tools:** Git, GitHub, Bash, Make, VS Code, IntelliJ, Eclipse, Airtable

**Design Tools:** Adobe Illustrator, Canva, Blender