
Website: anncatz1.github.io/portfolio/

LinkedIn: linkedin.com/in/annie-xu1/

GitHub: github.com/anncatz1

EDUCATION

Carnegie Mellon University, Bachelor of Science in Computer Science, University Honors

May 2023

Carnegie Mellon University, Bachelor of Science in Psychology, University Honors

- Data Structures and Algorithms, Parallel Computer Programming, Robot Kinematics, AI Representation Machine Learning, Interaction Design Overview (HCI), Research in Cognitive and Social Psychology
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TECHNICAL SKILLS

- **Programming:** Python, Swift, C, C++, Java
 - **Web Development:** Javascript, jQuery, React.js, Node.js, Express.js, Typescript, HTML/CSS
 - **Tools:** SQL, Git, Linux
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RELEVANT EXPERIENCE

Frontend Software Engineering Intern | Coalition, Inc. | Remote

May 2022 - Aug 2022

- Developed template generation tool improving document creation speed by 20x by adding automatic logic fields using the Word API, Javascript, HTML/CSS
- Refined product specifications and prioritized features by leading meetings with user stakeholders
- Created and tested a minimum viable product for efficient feedback and validation of product ideas
- Designed user-friendly interface, optimizing visual space utilization to meet product requirements

Research Assistant (iOS/Web Dev) | Memory Lab at CMU | Pittsburgh, PA

May 2020 - Jun 2022

- Implemented language streaming iOS app using Swift and Firebase to collect data for 90 subjects, enabling a successful longitudinal 5-week study over 3 rounds of piloting
- Revamped lab website using HTML/CSS improving accessibility to relevant content
- Supervised 10 undergraduate students in administration of language tests and collection of sleep data
- Trained five psychology undergraduates to effectively run 5-week long psychology experiment

Teaching Assistant | Carnegie Mellon University | Pittsburgh, PA

Aug 2020 - May 2023

- Facilitated advanced psychology courses for over 200 undergraduate students (Four semesters)
- Led 10 review sessions and provided guidance to ~30 students per session during office hours
- Mentored students in effective paper-writing techniques and reviewed their homework submissions

Computer Science Curriculum Intern | Codeucate | Lincolnshire, IL

Jun 2020 - Aug 2020

- Crafted engaging presentations and interactive activities for computer science coursework (Java, HTML/CSS) tailored for middle school students

Math Tutor | CovEducation | Lincolnshire, IL

Jun 2020 - Aug 2020

- Tutored middle school students in math by doing practice problems and reviewing homework to assist those needing extra support during COVID-19

Web Development Intern | CourseStars | Lincolnshire, IL

Jun 2018 - Aug 2018

- Developed intuitive and visually appealing web user interface using Joomla platform
- Enhanced user experience by implementing sign up and payment capabilities for tutoring sessions