Helen Xu Yang

helen.xu.yang@gmail.com | helenxuyang.github.io | linkedin.com/in/helenxuyang

EDUCATION

Cornell University (Ithaca, NY)   8/2019 - 5/2023
Bachelor of Science in Computer Science, 4.05/4.3 GPA (3.94/4.0)

EXPERIENCE

Curriculum Associates

Frontend Software Engineer II   1/2023 - Present
- Developing student dashboard web apps for i-Ready, an online learning platform serving 13M+ students, using React, Redux, and TypeScript to build responsive, accessible, and performant UI
- Leading i-Ready Connect iPad app development using Swift and UIKit, improving cross-platform UX
- Integrating with REST/RPC APIs to enable interactive educational activities and flows
- Collaborating with designers by advising on best accessibility practices and translating specs into modular, reusable, maintainable components
- Writing unit/integration tests with Jest, React Testing Library, and Playwright to ensure consistent functionality and reduce regression risk

Software Engineering Co-op   6/2021 - 12/2021
- Improved WCAG AA compliance and UX of interactive reading comprehension lessons for students using screen readers and assistive technologies
- Designed and built an interactive onboarding activity to train developers on web accessibility

Meta   6/2022 - 8/2022
Software Engineering Intern
- Implemented Facebook Gaming Android app login using UI frameworks and server-side rendering in alignment with design system using Kotlin, Litho, Hack, GraphQL
- Added unit and end-to-end tests for authentication flow in Instant Games SDK

Enhancing Ability Lab (Cornell Tech)   6/2020 - 6/2021
Research Intern
- Implemented a 3D game prototype using AFrame, Three.js, JavaScript with spatial audio and interactive audio description features to improve the accessibility of navigation in virtual 3D worlds
- Conducted interviews and UX testing with blind study participants to improve prototype

PROJECTS

Science Olympiad Event Matcher   3/2023 - 9/2024
- Designed and developed React website for assigning event supervisors with algorithmic automatic assignments and interactive drag-and-drop table UI for manual assignments

Carriage (Cornell Design & Tech Initiative)   2/2020 - 8/2021
- Developed mobile applications using Flutter and Dart for CULift, Cornell's paratransit service, enabling riders and drivers to schedule and manage rides with improved screen reader UX

SKILLS

- Proficient: HTML/CSS, JavaScript/TypeScript, Swift; React, Redux, UIKit; Git, GitHub, Figma
- Familiar: Java, Python, Dart, Kotlin; Flutter, Firestore