Ralph Chang

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SUMMARY OF QUALIFICATIONS

- Proficient in User-Centered Design (UCD), including user research, testing, wireframing, prototyping low and high fidelity, storyboarding, and creating mockups
- Strong Front-end Development skill with demonstrated experience in React.js, Javascript, HTML, CSS, , alongside API integration and backend engineering skills in Node.js, Express.js, Python, MySQL
- Proven ability to manage timelines, set expectations, and align stakeholders and team members through effective communication, with demonstrated experience

EDUCATION

University of Washington, *Seattle, WA*   *Expected June 2026*

Master of Science, Human Centered Design and Engineering (HCDE)

- Relevant coursework (through fall 2024): User-Centered Design, Theoretical Foundations Of Human Centered Design And Engineering, Usability Testing, Visual Communication

The University of Texas at Austin, *Austin, TX*   *August 2020 - May 2023*

Bachelor of Arts, Sociology with a Minor in Computer Science

- Relevant coursework: Social Research Methods, Elements of Software Engineer, Elements of Databases

RELEVANT EXPERIENCE

Product Engineer, UT-Austin*, Austin, TX*   *May 2023 – December 2023*

- Created a web application for the UT Sociology Department, enabling 20+ researchers to analyze the Survey of Consumer Finance data without relying on specialized tools like R or Python.
- Designed and developed a statistical analysis interface and an interactive data tree map integrated with codebook data, which features over 23,000 records per triennial study, using React.js
- Conducted user interviews and usability testing to optimize data discoverability and tool usability
- Deployed the app on Azure using a Node.js backend, Express.js for APIs, and a MySQL database

Web Design and Development Freelancer, *Austin, TX*   *July 2023 – October 2023*

- Designed and developed websites that aligned with organizational goals, such as driving 200+ visitors to organization's social media in three months
- Facilitated alignment among stakeholders by clearly communicating goals, expectations, design outcomes, feature prioritization, and project timelines

UI/UX Designer, Qwell Community Foundation, *Austin, TX*   *February 2023 – May 2023*

- Collaborated with 20+ cross-functional team members to develop an MVP for identifying LGBTQIA+ friendly venues
- Created high-fidelity prototypes to enhance the well-being survey process in partnership with UT-Austin
- Facilitated the handover between design and engineering teams by translating design concepts into actionable engineering solutions

ADDITIONAL EXPERIENCE

Web Design Intern, Future Force, *Seattle, WA*   *October 2024 - November 2024*

- Redesigned a website on Wix to enhance user experience and ensure compliance with WCAG standards

Software Engineer Intern, Shaachi, *Redwood City, CA*   *October 2023 – January 2024*

- Developed a streamlined file uploading system with Python and maintained the web application on AWS