RALPH CHANG

Seattle, WA (open to relocate) | (512) 466-9511 | ralphcyh@uw.edu | www.ralphchang.com

Analytical, collaborative, and curiosity-driven designer & developer with experience building data-driven tools, community-focused platforms, and B2C AI-powered products.

Education

University of Washington | MS, Human Centered Design & Engineering   *Expected June 2026*

The University of Texas at Austin | BA, Sociology, Minor in Computer Science   *Aug. 2020 - May 2023*

Experience

The University of Texas at Austin – UX Engineer, Senior Capstone Project   *June 2023 – Sept. 2023*
Austin, TX
- Designed and developed a web application for the UT Sociology Department, enabling 20+ researchers to analyze the Survey of Consumer Finance data without requiring specialized tools like R or Python.
- Optimized data discover speed by 60%, with users accessing 2x more variable per session, by engineered a statistical analysis interface, and an interactive data tree map integrated with codebook data using React.js.
- Enhanced user satisfaction by redesigning statistical analysis interface based on usability gaps uncovered through user testing and interviews.
- Deployed the app on Azure using a Node.js backend, Express.js for APIs, and a MySQL database.

Cove – Product Designer (contractor)   *July 2023 – October 2023*
Austin, TX (remote)
- Designed a mobile app from 0-1 to help university students connect with study partners, incentivized engagement by redeemable credits for event tickets on the Cove platform.
- Conducted 10+ user interviews and 3 competitive analyses to uncover needs and engagement drivers.
- Led full-cycle design processes, including ideation, feature prioritization, wireframing, and prototyping.
- Delivered a full design solution despite the project's cancellation due to software acquisition.

Qwell Community Foundation – UX Designer (contractor)   *Feb. 2023 – May 2023*
Austin, TX
- Collaborated with a 20+ member cross-functional team to develop a mobile app MVP for identifying LGBTQIA+ friendly venues.
- Led the redesign of the annual well-being survey process, improving task completion speed by 35%.
- Translated design concepts into actionable engineering solutions to facilitate handover.

Shaachi – Software Engineer Intern   *Oct. 2023 – Jan. 2024*
Redwood City, CA (remote)
- Revamped the file uploading system to accelerate LLM-powered analysis, enhancing user experience.

Design Skills

Product design, Visual Design, User interview, Surveying, Competitive research, Data visualization, Information architecture, Journey map, User flow, Storyboard, Wireframing, Prototyping, Usability testing, Product specification, Responsive web design, Figma, Origami Studio, Blender

Development Skills

HTML, CSS, JavaScript, React.js, Next.js, Express.js, Node.js, GSAP, Framer, Python, Flask, Java, SQL, Git & GitHub, RESTful APIs, Azure, AWS