

RALPH (YU-HUAN) CHANG

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EDUCATION

The University of Texas at Austin	Bachelor of Arts, Sociology Certificate: Elements of Computing	May 2023
National Taiwan University	Exchange Program in Taipei, Taiwan	Fall 2020 - Spring 2021

EXPERIENCE

Shaachi – *Full-stack Developer Intern* *October – Present*

- ☐ Implemented new file uploading system to backend AI to improve overall user experience.
- ☐ Utilized HTML, CSS, and JavaScript to implement user interfaces and interactive features.
- ☐ Maintained web application on Amazon AWS.

Freelance website developer *July – October*
Sehath, PlanetLonghorn

- ☐ Developed and maintained responsive web applications.
- ☐ Utilized React, HTML, and CSS to implement user interfaces and interactive features.
- ☐ Collaborated with clients to understand project requirements, ensuring alignment with organizational goals.
- ☐ Applied UI/UX design principles to create visually appealing and user-friendly web designs.
- ☐ Implemented custom functionality and integrated third-party APIs to enhance website capabilities.
- ☐ Managed project timelines, met deadlines, and effectively communicated progress to clients.

UT-Austin Department of Sociology – *Full-stack Developer* *May 2023 - Present*

- ☐ Collaborated with Professor Ken-Hou, Lin to develop a dashboard for the Survey of Consumer Finance dataset
- ☐ Applied UI/UX design principles to create an intuitive and visually appealing user interface
- ☐ Conducted user research to understand user needs and preferences, ensuring the dashboard's effectiveness and usability
- ☐ Employed React for the frontend, creating a responsive and dynamic user interface.
- ☐ Leveraged D3.js for data visualization, crafting interactive and engaging visual representations of complex information.
- ☐ Implemented a RESTful API using Node.js and Express.js to handle data retrieval and manipulation from the data.

Texas Convergent – Non-profit Forge Team UI/UX Designer *Spring 2023 – May 2023*

- ☐ Conducted user research to identify the needs and pain points of the LGBTQIA+ community in Austin
- ☐ Developed mobile wireframes, user flows, and interactive prototypes of existing website designs
- ☐ Conducted usability testing to evaluate the effectiveness of design solutions and make data-driven improvements

ACADEMIC PROJECTS

UT-Austin Undergraduate Research Apprenticeship Program – *Research Assistant for Dr. Ken-Hou, Lin.* *Spring 2022*

- ☐ Learned data analysis skills to process and analyze huge data in Survey of Consumer Finance for Dr. Lin's weekly assignment
- ☐ Learned data visualization skills to visualize data analysis results for Dr. Lin's weekly assignment

LEADERSHIP EXPERIENCE AND ACTIVITIES

Taiwan Industrial Technology Research Institute AI Entrepreneurship Program – *Team Lead.* *January 2021 - April 2021*

- ☐ Conducted market analysis and discovered users' pain points in live captions applications
- ☐ Directed a team of 5 to conceptualize a business model that incorporates AI to enable word search in live captions
- ☐ Prototype application for live captions word search and surveyed to design data-driven decisions on user flow

ADDITIONAL INFORMATION

Computer Skills: Python, Java, HTML5, React.js, JavaScript, SQL, Figma, Google Analytics, Excel, Word, PowerPoint

Certifications: Google UX Design Professional Certificate, Meta Front-End Developer Professional Certificate

Languages: Native proficiency in Mandarin, Fluent in English

Work Eligibility: Eligible to work in the U.S.; will require visa sponsorship for full-time employment