

Yifan Chen

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EDUCATION

University of Washington, Seattle — Sep 2023 - June 2027 (est)

B.S in Human Centered Design Engineering

GPA: 3.81/4.0

Honor: Dean's List 2024-2025

EXPERIENCE

AIHelp - Jun 2025 - Sep 2025

Product Engineer Intern

- Analyzed competitor products and user sentiment in overseas markets through secondary research to identify potential expansion opportunities.
- Conducted in-depth interviews and synthesized qualitative data using affinity diagrams to transform user pain points into specific functional requirements.
- Presented high-fidelity prototypes and strategic product proposals to senior leadership, securing buy-in for 3 core system features.

PROJECTS

The Bridge | Cross-Platform Interactive System(App & IoT) - Sep 2025 - Dec 2025

- Designed a cross-platform system consisting of a mobile app and IoT hardware to facilitate emotional communication between students and parents.
- Conducted usability testing with over 20 families and identified a critical friction point where 40% of users failed to trigger the NFC hardware on their first attempt.
- Led the iterative prototyping process to optimize NFC tag placement and visual cues based on user testing feedback.
- Improved hardware interaction efficiency by reducing the average successful tap attempts from 3.5 to 1.2 per session.
- Streamlined the transition between physical hardware and software interface to enhance the overall user experience.

RemindME | Full-stack Web Application - Sep 2025 - Dec 2025

- Identified a specific limitation in existing navigation apps that fail to account for individual preparation time and public transit instability for students with fixed schedules.
- Conducted participant observations to analyze the behavioral differences between users who prepare early versus those who depart at the last minute.
- Defined and implemented a customizable departure buffer logic to accommodate diverse user preparation habits and schedules.
- Developed a customizable departure buffer algorithm that integrates real-time transit APIs to provide personalized departure triggers.

SKILLS

- **Technical:** Python, Java, JavaScript, R
- **Relevant Coursework:** Information Visualization, User Research, Interaction Design
- **Language:** Mandarin Chinese, English
- **Design Tools:** Figma, Adobe Photoshop, Canva, Adobe Illustrator
- **Interests:** Drawing, UI Aesthetics, Narrative Design, Indie Games, Animation