

Fonghe chen

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Education

Northwestern University | Evanston, IL

Sep 2023 - Dec 2026

- BS in Computer Science (Software Engineering Concentration), Psychology Minor, Segal Design Certificate | Dean's List
- Relevant Coursework: Design & Analysis of Algorithms, Software Studio, Human-Computer Interaction, Presenting Ideas and Data, Data Structures & Algorithms, Machine Learning, Intro to Computer Graphics, Scalable Software Architectures, Design Technology & Research

Experience

Project Lead @ Design, Technology, and Research

Incoming Winter 2026

- Selected for competitive HCI research lab focused on social computing, crowdsourcing, human-centered design, AI, and organizational behavior.
- Spearheading a project called Experiential Computing Platform (AI-powered platform that lets designers explore how different users experience a product across demographics, regions, and accessibility constraints)

Software Engineer Intern @ OpenQQuantify

Nov 2025 -

- Built a landing page for a compliance-focused AI assistant using Flask, HTML, CSS, SQLAlchemy, and JavaScript, covering 4 regulatory frameworks (HIPAA, GDPR, MDR, PIPEDA) across U.S., EU, UK, and Canadian medical regulations
- Designed 6 responsive wireframes and implemented glassmorphic UI with smooth animations, achieving sub-2s page load times
- Integrated OpenAI API to deliver real-time compliance answers, processing user queries with 0.3 temperature for regulatory accuracy
- Implemented user-session Q&A history with SQLAlchemy ORM with SQLite backend, allowing users to save and revisit queries

AI UI/UX Intern @ Product Manager Accelerator

Jun 2025 - Sept 2025

- Selected from 500+ applicants to collaborate with PMs, developers, and data scientists to design and develop EchoLab, a B2B SaaS platform that uses AI to convert raw customer feedback into actionable A/B tests
- Designed EchoLab's logo and helped compile 32-page e-book "The Experiment Velocity Playbook"
- Created 10+ mockups, wireframes, and prototypes to develop and iterate on design solutions, reducing engineering rework by ~30%
- Developed user personas and user journeys to visualize user behavior and inform designs

AI & Product Design Intern @ Vibing

Nov 2024 - Feb 2025

- Conducted 15+ user interviews gathering feedback on the interface
- Conducted informal market research to identify emerging trends and social media used by target audience, helping take downloads from 10 to 10,000+
- Spearheaded tone refinement for AI relationship advice bot by training LLM responses to emulate human empathy and conversational flow, enhancing user trust and engagement, improving session duration by ~25%
- Collaborated cross-functionally with engineers, designers, and PMs to improve bot alignment and personalization for Gen Z audiences, resulting in a 15% increase in user engagement

Projects

Wandering Skies (<https://wanderingskies.vercel.app/>) -

An interactive 3D sky scene rendered with WebGL and deployed on Vercel, featuring dynamic lighting and customized UI with HTML and CSS.

Portfolio (<https://ronghe-chen.netlify.app/>) -

Executed migration of personal portfolio to React.js, customizing a responsive UI with Bootstrap CSS and implementing dynamic, multi-tag filtering using state management and memoized selectors to improve UX.

Travel Blog (<https://travelwithronghe.netlify.app/>) -

Built and deployed a personal travel blog using Hugo, a static site generator, customizing layouts with HTML/CSS

Transportation App Interface -

Executed an end-to-end design for a mobile transportation app with ride matching & dynamic passenger controls, simulating UX for real-time transit systems

NoteSync -

Collaborated in an Agile team of full-stack engineers on SaaS live music calendar web app using Ruby on Rails, allowing users to add events and venues.

Leadership

- **RAISO Website Co-Chair (Sept - Dec 2024):** Developed a product roadmap and vision for RAIOS's new website to better showcase projects, events, and member recruitment materials, oversaw a committee of 6 web developers, and led training sessions for new developers on React fundamentals, version control, and Webflow editing workflows.
- **RAISO Treasurer (Feb 2025 -):** Manage \$1000+ quarterly budget and lead funding strategy for speaker panels and ethical AI events.
- **Chi Omega Sisterhood Events Coordinator (Apr 2025 -):** Assisted Sisterhood Chair with venue, activity, and event planning, conducted engagement outreach for 60+ members.
- **You.com Campus Leader (Mar - May 2025):** Designed and executed digital marketing campaigns across Northwestern campus, driving 100+ new user signups for You.com

Skills

Languages - Java, Python, C/C++, HTML/CSS/JavaScript, Ruby, SQL

Tools - Figma, Adobe (basic), Miro, Canva, Webflow, MS Office Suite, Tableau, Vite, VSCode, Git, SQLite, SQLAlchemy, REST APIs

Design Skills - Design Systems, Handoff, Storyboarding, Typography, UX Research, Branding, Interaction Design, Content Design

Frameworks - Tailwind CSS, Bootstrap, React, NumPy, Ruby on Rails, Flask

Certifications - Digital Skills: User Experience (Accenture), React.js (SimpliLearn), Microsoft Azure AI Essentials (Microsoft & LinkedIn), Amazon Campus Prep Series Graduate, UX Deep Dive: Analyzing Data (LinkedIn), UX Deep Dive: Usability Testing (LinkedIn), UX Deep Dive: Mapping (LinkedIn), Intro to Web APIs (LinkedIn)

Interests

Digital photography, Live Music Shows, Pilates, AI Ethics, Graphic Design, Interior Design, Cafe Hopping, Travel Blogging