

Jinyao Ouyang

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Medium: medium.com/@katherineoyjy | GitHub: github.com/JinyaoOuyang

PROFESSIONAL SUMMARY

UX/Product Designer and researcher, focusing on AI-driven and context-aware interaction design. Experienced in developing adaptive design tools and studying how intelligent systems can enhance creativity and human wellness. Currently seeking graduate research opportunities in Human-Computer Interaction and AI-based interface design, with interests in context-aware systems and computational creativity.

EDUCATION

University of Washington, USA

Master of Science (MS) Tech Innovation / Human-Computer Interaction — Graduated 2022

South China University of Technology, China

Bachelor of Engineering, Industrial Design (Interactive Design Track) — Graduated 2020

RESEARCH & PUBLICATIONS

[Patent] [CN110638632A Public first aid system and implementation method thereof](#). A first aid system with AR technology for non-professional medical personnel to conduct CPR.

[Publication] Human-Machine Interaction Analysis and Improvement Design of Smart Parcel Lockers Based on SAMMIE. Chinese Journal of Ergonomics Year 2020, Issue 4, Page 70-75

RESEARCH-DRIVEN CREATIVE WORK

AI-Driven Context-Aware Design Tools (2024–present)

Self-initiated projects developing adaptive UX and AI-assisted content generation plugins to enhance creative workflows and context-sensitive interfaces.

Articles on Context-Aware Design and AI Creativity (2024–2025)

Published on Medium and UX Collective, exploring adaptive interface design, generative AI in UX, and context-aware human-AI collaboration.

AWARDS & HONORS

Imagine Cup – Americas Regional Champion (Microsoft, 2022)

Led a 3-member interdisciplinary team to design an XR-based CPR and speaking therapy system for prelingual deaf children. Recognized for innovation in assistive technology and HCI applications.

PROFESSIONAL EXPERIENCE

UX/Product Designer (2022–present)

Worked on AI-driven UX systems and e-commerce design projects, integrating context-aware content generation and personalization. Focus on bridging design, data, and intelligent systems for improved user experience.

TECHNICAL & DESIGN SKILLS

- Design Tools: Figma, Framer, Adobe XD, Photoshop, After Effects
- Programming: Python, JavaScript, HTML/CSS
- AI / ML Tools: Cursor, Windsurf, Midjourney, Imagen
- UX Research: Usability testing, Contextual inquiry, Data Analysis

LANGUAGES

- English (Fluent)
- Mandarin Chinese (Native)
- Japanese (Basic, self-learning)