

# Yuchen Zhang

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## SUMMARY

MFA candidate in Interactive Design at SCAD with a B.S. in Computer Science, focused on AI-powered products, XR, and human-AI interaction. Combines design research, interaction design, and technical prototyping to create usable experiences for emerging technologies.

## EDUCATION

**Savannah College of Art and Design (SCAD)** — M.F.A., Interactive Design  
Expected Dec 2026

**University of Delaware** — B.S., Computer Science  
May 2023

## SKILLS

**Design:** Figma, FigJam, Photoshop

**Research:** User Interviews, Survey Design, Usability Testing, Comparative Research, Thematic Analysis

**Prototyping:** Wireframing, High-Fidelity Mockups, Interactive Prototypes, XR Prototyping

**Technical:** Python, JavaScript, HTML/CSS, Unity, Claude API

**Focus Areas:** AI Product Design, Human-AI Interaction, XR Experience Design, Interaction Design, Emerging Technology

## SELECTED PROJECTS

### Assembly Line Y — AI-Assisted Quest 3 VR Training Simulation

- Designed and developed a Quest 3 VR training simulation for Tesla Model Y interior assembly using Unity.
- Integrated an AI assistant powered by the Claude API to provide step-by-step guidance, conversational support, and task clarification during training.
- Created a multimodal XR workflow combining spatial interaction, guided prompts, and AI assistance to improve training clarity and learner confidence.

### MFA Thesis — Human-AI Collaboration in UI/UX Design Ideation

- Researching how AI supports design ideation through three collaboration modes: Inspirator, Critic, and Co-creator.
- Examining how different AI roles affect creativity, trust, and designer agency in UI/UX workflows.
- Translating research insights into interaction frameworks for more effective human-AI design collaboration.

### Redesign Nest Thermostat — Intelligent Interaction Redesign

- Reimagined mobile scheduling interactions for Nest Thermostat with a focus on usability, precision, and interaction efficiency.
- Designed a coordinate-based control model that enables simultaneous adjustment of time and temperature through direct manipulation.
- Explored how more intuitive interaction patterns can improve control and confidence in smart-home product experiences.

### DoseCare — Mobile Health App for Medication Management

- Designed a digital health experience for older adults managing recurring medication routines.
- Explored how interface clarity, reminder systems, and supportive workflows can reduce friction in high-stakes daily tasks.
- Applied product and interaction design thinking to make care management more understandable, reliable, and user-friendly.