Jenny Yu

Research Projects:

1. pheB Project (Spring 2023):

In collaboration with Elena Sabinson, I worked on the "pheB" project, which aimed to help individuals regulate stress and enhance emotional well-being in dense urban environments through the use of soft robotic surface home technologies. My role involved assisting in the planning of co-design workshops, where we explored innovative ways to visualize emotional experiences, including using AI to generate music pieces that reflected emotional states.

2. e-MoBo Project (Fall 2023):

I worked with Raquel Cañete Yaque on the "e-MoBo" project, which aimed to create a robotic solution to support child-therapist expression and communication. My role involved assisting with implementing robotic prototypes and planning and recording user testing sessions to refine the robot's functionality for therapeutic use.

3. Robot-Rooms Project (Spring 2024 – Summer 2024):

During the Spring and Summer of 2024, I worked with Serena Guo on the "Robot-Room" project, which explored collaborative design and agile prototyping at room scale to extend the concept of home. I led user interviews, collected feedback, analyzed data, and created data visualizations for the project. Additionally, I **co-authored** the research paper **"Envisioning Robot-Rooms: Collaborative Design and Agile Prototyping at Room-Scale to Extend the Boundaries of 'Home',"** (submitted to CHI 2025 in September 2024) where I was listed as the third author.

4. DentAR Project (Fall 2024 - present):

Currently, I am collaborating with Serena Guo on the "DentAR" project, which focuses on developing augmented reality (AR) solutions to improve dental experiences for individuals with sensory processing disorders, identify as neurodivergent with sensory sensitivities, or experience symptoms related to sensory sensitivities (with or without a formal diagnosis). Our goal is to design AR-based tools that make dental visits more accessible and comfortable by addressing sensory and communication challenges. My role involves assisting in facilitating co-design sessions, collecting data, and analyzing data.

This progression of projects demonstrates my continued focus on designing technology to support emotional well-being, therapeutic outcomes, and user-centered experiences across various fields.