Brook Xiao

> Education

Carnegie Mellon University, Pittsburgh, PA

Bachelor's Degree, May 2026

Majors: Human-Computer Interaction, Statistics and Machine Learning, Vocal Performance

Honors: Phi Beta Kappa Honors Society (Early Election, 18 seniors); Dean's List (CFA & BXA)

▶ Professional Experience

Anvsoft Inc. (AVCLabs) Product Designer HCI & UX Dec 2024-Present

- Designed transparent user flows and prototypes for AI products (Video Blur AI, Video Enhancer AI) to improve usability and trust.
- Collaborated with engineers to align deep-learning outputs with human-centered design principles.

vivo Mobile Communication UI/UX Design Intern

Jul-Aug 2024

- Created conversational photo-to-calendar workflows for Blue Heart AI Assistant to streamline automation.
- Built high-fidelity Figma prototypes for AI-assisted scheduling.

LeadingHorse Capital Management Co., Ltd. Data Analyst Intern

May-Jul 2024

- Supported portfolio modeling and built dashboards for investment performance visualization.
- Applied statistical analysis to assess risk and inform decisions.

CBHM International Ltd. Software Engineering Intern

Mar-Apr 2024

- Implemented Two-Factor Authentication (2FA) across the enterprise platform.
- Conducted load testing to ensure reliability under peak usage.

> Selected Projects

BelCanto Hub: Interactive Micro-Opera Platform

Designed QuietBand wristband and mobile app enabling synchronized lyrics, lighting cues, trivia, and encore votingmodernizing opera engagement for Shenzhens younger audiences.

Modular AR Table Tennis Trainer

Developed modular racket handles with IMU sensors and Arduino integration; designed AR HUD interface and mobile hub for real-time feedback.

> Skills

Programming: Python, R, C, Java, Processing

Design Tools: Figma, Mastergo, Adobe Illustrator, Photoshop, Procreate Research: User Studies, Surveys, Usability Testing, Heuristic Evaluation **Technical:** Statistical Modeling, AI-Driven Interfaces, Arduino Integration Languages: English (Fluent), Mandarin (Fluent), Spanish (Intermediate)