

Sophia Xin

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EDUCATION

Wellesley College, Wellesley, MA

Expected May 2026

Candidate for Bachelor's of Arts in Media Arts and Sciences (CS and Design) and Psychology
Gordon-MIT Engineering Leadership (GEL), Gordon Engineering Leader

RELEVANT COURSEWORK

- Databases with Web Interfaces
- Tangible User Interfaces
- Human-Centered AI
- Dynamic User Interfaces
- Data Analysis & Visualization
- Advanced Interactive Media

SKILLS

- Python, Java, SQL, HTML, CSS
- Arduino, CAD, Unity, Maya
- Microsoft Office Suite (Word, Excel, PowerPoint), 3D Printing
- Figma, Adobe Creative Cloud
- User Research, A/B Testing
- English, Mandarin Chinese
- (Photoshop, Illustrator, InDesign)
- Prototyping & Wireframing

EXPERIENCES

MIT Media Lab, Cambridge, MA

Project "AI Art Critique & Interface Building" | "Future Sketches" Group | Research Assistant June 2025 - Present

- Developed a Flask AI art critique app with RAG, CLIP ONNX, and API integration, delivering real-time art analysis with full frontend-backend functionality and AI-assisted coding
- Implemented the Dovekie (open-source live coding JS package) interface and designed key interactive components; created p5.js sketches to experiment with dynamic, parameter-driven generative workflows

Project "WatchThis" | "Fluid Interfaces" Group | Research Assistant September 2024 - May 2025

- Developed and optimized an app that interfaces with existing hardware components of the wearable AI device
- Supported the planning, execution, and analysis of user studies, focusing on device's comfort, privacy, and usability
- Refined and improved the interactions enabled by the prototype based on user feedback and testing

Project "Electronic Textiles" | "Responsive Environments" Group | Research Assistant May 2024 - July 2024

- Visualized smart garment patterns through CLO 3D, Blender, and Photoshop to drive user-centered wearable design
- Illustrated over 20 pieces of concept art for sensor network applications, device designs, and user interaction
- Optimized sensor distribution algorithms and pipeline for more accurate visualization and computation

Robert Bosch Venture Capital GmbH, Shanghai, China

July 2024 - August 2024

Venture Capital Intern

- Analyzed 40+ early-stage startup business plans to identify product-market fit, user pain points, and innovation trends; synthesized findings into actionable insights for internal stakeholders
- Assessed government's position on foreign investment and emerging technologies to inform strategic planning

Abbott Laboratories Trading (Shanghai) Co., Ltd., Shanghai, China

May 2023 - August 2023

Abbott Diabetes Care Marketing Intern

- Researched Abbott Global and competitor advertising strategies and messaging, translated medical marketing documents, enabling informed decision-making for marketing approaches
- Communicated with Search Engine Marketing agency, tracked A/B testing performance data, and proposed changes for optimization; analyzed data from short campaign videos, live streams, and SEM campaigns

LEADERSHIP

Computer Helpdesk, Wellesley College, *Student Consultant*

October 2023 – Present

- Troubleshoot technical issues through in-person and phone support, delivering empathetic, user-centered solutions
- Recalibrate and maintain circulating equipment to ensure operations, reducing downtime and increasing productivity

Wellesley in Product, Wellesley College, *Events Chair; Designathon Director*

October 2023 – May 2025

- Directed annual designathon "EVOLVE" ([website](#)) by leading a 20-member team, with a theme on fostering innovative interaction through the integration of artificial intelligence to accessible user-interface design
- Managed cross-functional teams across marketing, logistics, sponsorship, and website design

Office of Residential Life, *Residential Assistant*

August 2023 – May 2025

- Enhance quality of residential life for 100+ residents across three residential halls by promptly addressing concerns, mediating interpersonal conflicts, developing monthly programs, and fostering community development
- Collaborate with team via creative problem-solving to design and execute all-hall events, attracting ~300 attendees