

Jiayi Guo

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EDUCATION

Cornell University, College of Computing and Information Science, Ithaca, NY, U.S. Expected May 2026

Master of Professional Studies in Information Science (Early Credits Option)

Cornell University, College of Human Ecology, Ithaca, NY, U.S.

Expected December 2025

Bachelor of Science with Honors in Design and Environmental Analysis

GPA 4.17/4.30

- Minor in Healthy Futures | Dean's List all semesters | GRE 332, Writing 5
- Selected Coursework:

Research: Data Analytics in R, Research Methods in Human-Environment Relationships, Statistics for Social Sciences

Design: Environmental Psychology, Environmental Anthropology, Age-Friendly Environments, Human Factors and Inclusive Design, Positive Design Studio, Design Thinking for Complex Systems

Fudan University, School of Public Health, Shanghai, China

September 2023 – January 2024

Public Health Administration Program

GPA 3.79/4.00 (Ranking 2/21)

- Coursework: Education Psychology, Political Anthropology, Demographical Sociology, Medical Anthropology, Introduction to Management, Introduction to Sociology, MATLAB Programming, Nation Development Forces

PUBLICATIONS/PRESENTATIONS

Presentation: Guo, J. (Presenter). (Upcoming October, 2025). *Student-Led Learning in a LEED for Cities Certification Project*. Individual paper presentation accepted for the 2025 NAAEE (North American Association for Environmental Education) Annual Conference and Research Symposium, Pittsburgh, PA.

Presentation: Guo, J. (Presenter). (Upcoming October, 2025). *Student-led learning in sustainability education and practice: A case study of a LEED for Cities project*. Individual paper presentation accepted for the 2025 ACSP (Association of Collegiate Schools of Planning) Annual Conference, Minneapolis, MN.

Presentation: Guo, J. (Presenter), Lu, R., Shan, Q., & Brown, A. H. (May 2025). *"Exploring young children's comprehension of climate change in China."* Group presentation at the Environmental Design Research Association (EDRA) 56 Conference, Halifax, NS, Canada.

Poster: Guo, J. (Presenter), Loebach, J. (May 2025). *"Playful interactions by design: Enhancing children's engagement with botanic gardens through targeted interventions."* EDRA 56 Conference.

Presentation: Brown, A. H., Guo, J. (Co-author), Weeden, T., Martindale, C., Saunders, A., Cisz, K., & Evans, G. (May 2025). *"Analyzing young children's awareness and knowledge of climate change in the U.S."* EDRA 56 Conference.

RESEARCH EXPERIENCES

Children and Climate Change Research with Professor Gary Evans, Ithaca, NY, U.S.

December 2022 – Present

Undergraduate Researcher, Research Assistant

- Coordinate a team of 4 researchers in cross-cultural comparison of children's understandings of and emotional responses to climate change in the U.S., China, and Spain to inform future environmental education.
- Conducts 200+ interviews with children aged 5–7; co-developed the qualitative coding framework for systematic analysis across cultural contexts.

Design Environments with/for Children and Adolescents (DECA) Lab, Ithaca, NY, U.S.

September 2024 – Present

Undergraduate Researcher, Research Assistant

- Conducts mixed-methods analysis exploring interventions to increase children's engagement in botanic gardens.
- Conducts quantitative data analysis for behavior mapping data exploring the relationship between level of naturalness of playground environments and children's play behaviors, using the Tool for Observing Play Outdoors (TOPO) framework.

- Assists on quantitative data analysis for pre- and post- re-design evaluations of children's play behaviors.

OmniWizz: Multimodal-to-Multimodal AI Creative Assistance, Ithaca, NY, U.S.

June 2025 – August 2025

Researcher

- Led design and evaluation of OmniWizz, an AI-assisted ideation tool that transforms multimodal inputs (text, images, sound) into coordinated multimodal outputs to support music creators.
- Designed and conducted user studies with think-aloud protocols, surveys (Creativity Support Index), and semi-structured interviews to assess ideation support, workflow integration, and sense of ownership.
- Synthesized findings to identify design implications for human–AI collaboration in creative ideation, contributing a co-first-authored submission to the CHI 2026 conference.

Meta Design & Technology Lab with Professor Jay Yoon, Ithaca, NY, U.S.

May 2025 – June 2025

Research Assistant

- Assists on mixed-methods analysis for a day reconstruction study on Technology-Mediated Positive Emotion Regulation, identifying emergent themes and behavioral patterns from introspective entries and sketches.
- Conducting preliminary qualitative analysis of open-ended survey data across eight daily Qualtrics instruments using MaxQDA, including early theme coding, word cloud generation, and high-level insights for reporting.

TEACHING EXPERIENCES

Career Exploration Center, Cornell University, Ithaca, NY, U.S.

September 2022 – Present

Senior Career Assistant (2025-2026), Career Assistant (2022-2025)

Bronfenbrenner Center for Translational Research, Cornell University, Ithaca, NY, U.S.

August 2025

Assistant for Youth Investigators Program

College of Agriculture and Life Sciences, Cornell University, Ithaca, NY, U.S.

March 2025 – August 2025

Administrative Assistant for Global Environmental Education Course Series

X Academy, Shanghai, China

March 2025 – August 2025

Head Academic Leader for Speculative Design Course

College of Human Ecology, Cornell University, Ithaca, NY, U.S.

January 2024 – May 2024

Teaching Assistant for Design Visualization Course

PRACTICAL EXPERIENCES

Cornell University Sustainable Design, Cornell University, Ithaca, NY, U.S.

September 2022 – May 2025

Sustainable City Team Lead (2024-2025), Design and Planning Lead (2023-2024), Member (2022-2023)

- Directed Ithaca's Leadership in Energy and Environmental Design (LEED) for Cities certification process, managing over 50 data indicators and coordinating a team of 30+ students, helping the city to achieve LEED Gold.
- Spearheaded a community-informed design project to revitalize Cherry Street through promoting the artistic culture and industrial history of Ithaca, bringing attention to city officials and other stakeholders.

Make_Sense Americas, Mexico City, Mexico

July 2024 – August 2024

Environmental and Social Consulting Intern

- Transitioned recycling firm Rennueva from paper to digital operations by developing role-specific user manuals in English and Spanish and training 16 staff on-site, achieved 85% user confidence and 100% clarity rating.

Entegra + Architectural Health, Boston, MA, U.S.

May 2024 – August 2024

Healthy and Sustainable Buildings Intern

- Supported 2 LEED/ WELL certification projects, translating technical metrics into actionable requirements for clients.

Tompkins County Transportation Equity Needs Assessment, Ithaca, NY, U.S.

June 2023 – August 2023

Project Fellow

- Conducted mixed-methods analysis of 2,000+ surveys using Excel and Dedoose to identify transportation barriers

affecting low-income and rural residents and persons with special needs, including access, stress, and autonomy.

HONORS & AWARDS

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| • Rawlings III Cornell Presidential Research Scholar (RCPRS Scholar) | August 2024 – Present |
| • Program for Research on Youth Development and Engagement Scholar (PRYDE Scholar) | May 2024 – Present |
| • Laidlaw Undergraduate Leadership and Research Scholar | May 2023 – May 2025 |
| • Cornell Cooperative Extension Summer Internship | May 2024 – August 2024 |
| • Alan D. Mathios Research and Service Grant | May 2023 – August 2024 |

SKILLS & CERTIFICATIONS

- *Certification*: LEED AP BD+C, IRB Training, CATTI Chinese-English Interpreting and Translation Certificates.
- *Language*: Mandarin (*Native*), English (*TOEFL 115; GRE 332 + 5; CATTI Certificates*).
- *Research software*: MaxQDA (*Expert*), Dedoose (*Expert*), R (*Expert*), JASP (*Expert*), Microsoft Suite, G Suite
- *Design software*: Adobe Suite (*Expert*), Revit (*Expert*), Figma (*Expert*), AutoCAD (*Intermediate*), Canva (*Expert*)