

Jenny Xiyu Fu

jennyfu@infosci.cornell.edu • jennyxfu.github.io • [xiyu-jenny-fu](https://xiyu-jenny-fu.github.io)

Research interests

AI-Mediated Self, Agency in Human-AI Interaction, Social Emotional Wellbeing

Education

2020 – Present **Cornell University** – Ithaca, NY
PhD in Information Science, minor in Organizational Behavior *GPA: 4.0/4.0.*

2016 – 2020 **Brown University** – Providence, RI
B.Sc. in Cognitive Science with Honors *GPA: 3.7/4.0.*

Selected coursework

- *Computing*: Human-AI dialogue, Quantitative research method, LLM, NLP
- *HCI*: Design research, Redesigning robot, Human-AI interaction design

Honors and scholarships

2025 – Sigma Xi Associate Fellow, Cornell Chapter
2025 – 2021 Graduate School Research Travel Award (Cornell University)
2022 Mixed Reality Retreat Travel Fund (Cornell University)
2022 Grace Hopper Celebration Award (Cornell University)
2021 CS Research Mentorship Program Recipient (Google)
2018 Linking Internship and Knowledge Award (Brown University)
2019 Karen T. Romer Teaching and Research Awards (Brown University)

Publications

2025 **AI-mediated Self**
Fu, X. J., Yang, Q., Jung, M. F.
Submitted to CHI.

- 2025 **Large Language Model Use Impact Locus of Control**
Fu, X. J., Antone, B., Kadoma, K., Jung, M. F.
NAACL 2025 In2Writing Workshop.
- 2024 **Towards Human-Friendly Robotic Touch Interactions: Understanding Touch Parameters through Participatory Behavior Design and Robot Interaction**
Hu, Y. H., Fu, X. J., Zarrin, R.
THRI Major Revision Submitted.
- 2024 **A Tool but Not a Peer: How Framing Affects People's Perceptions of AI Agents in Teams.**
Fu, X. J., Lipman, A., Lee, W., Jung, M. F.
In Proceedings of the 2024 IEEE Robot and Human Communication.
- 2024 **Behind-the-Scene: Reflections on the Ignored Data of Participatory Human-Robot Interaction Research**
Fu, X. J*, Hu, Y. H*, Zarrin, R.
In Revision.
- 2023 **Negotiating Dyadic Interactions through the Lens of Augmented Reality Glasses.**
Fu, X. J*, Chung, J. W*, Deocadiz-Smith, Z., Jung, M. F., Huang, J.
In Proceedings of the 2023 ACM Designing Interactive Systems Conference (pp. 493-508).
- 2023 **The Role of Inclusion, Control, and Ownership in Workplace AI-Mediated Communication.**
Kadoma, K., Quere, M. A. L., Fu, J., Munsch, C., Metaxa, D., Naaman, M.
In Proceedings of the 2024 CHI Conference on Human Factors in Computing Systems (pp. 1-10).
- 2023 **CORAE: A Tool for Intuitive and Continuous Retrospective Evaluation of Interactions.**
Sack, M. J., Parreira, M. T., Fu, X. J., Lipman, A., Javed, H., Jamali, N., Jung, M.
In International Conference on Affective Computing and Intelligent Interaction (pp. 1-8).
- 2022 **Interaction Prototyping With Video: Bridging Video Interaction Analysis & Design.**
Pelikan, H. R., Hou, Y. T. Y., Fu, X. J., Keevallik, L., Broth, M., Jung, M. F.
In Proceedings of the 2022 CHI Conference on Human Factors in Computing Systems Extended Abstracts (pp. 1-4).

- 2021 **Speed Dating with Voice User Interfaces: Understanding How Families Interact and Perceive Voice User Interfaces in a Group Setting.**
Ostrowski, A. K., Fu, X. J., Zygouras, V., Park, H. W., Breazeal, C.
Frontiers in Robotics and AI, 8.

Research experience

- 2024 – 2024 **Honda Research Institute- EU**
AI-Mediated Social Interaction: Generating multi-modal data through flow matching;
Evaluate the psychological and social impact of voice-based human-AI interaction.
- 2024 – 2024 **Honda Research Institute- US**
Human Understanding in Physical Human-Robot Interaction: Design and conduct exploratory design sessions to examine human acceptance of robot initiate actions;
Developed software to analyze qualitative and quantitative data.
- 2023 **Social Technologies Research Group, Cornell Tech**
Advisor: Dr. Mor Naaman (PI)
Workplace AI- Mediated Communication: Researched the social and psychological impact of AI system on identity in workplace setting.
- 2022 **Human-Computer Interaction Lab, Brown University**
Advisor: Dr. Jeff Huang (PI)
Building Consensual Human-AR Glasses Interaction: Researched self-presentation with AR glasses through participatory design and semi-structured interviews.
- 2021 – Present **Robots in Groups Lab, Cornell University**
Advisor: Dr. Malte Jung (PI)
Responsible LLM for Social Interaction: Researched people's self-perception in communicating emotions through text and visual algorithms.
Redesigning Human-Robot Interaction: Collaborated with the Statler Hotel and the Gettys Group to design future hospitality robots, including leading interviews, user observation, benchmarking, sketching and storyboarding; Developed iterations of prototypes with 3 team members of different backgrounds, conducted contextual inquiries with stakeholders including Hotel management team, chefs, and staffs.

- 2017 – 2020 **Social Cognitive Science Research Lab, Brown University**
 Advisors: Dr. Bertram Malle (PI), Dr. Xuan Zhao, Dr. Maartje de Graaf, Dr. Elizabeth Phillip
Empathy and Prosocial Behavior: Collected over 150 behavioral data; Curated data using Excel; Maintained the experiment device; Trained 2 assistants for data collection; Edited video clips.
Moral Reasoning: Coded behavioral explanations on collected data; Designed and coded a MATLAB model to simplify the F. Ex coding- a coding scheme for folk explanations of behavior.
Perspective Switching: Wrote up and managed the human subject pool application; Trained 3 assistants for data collection.
Robotic Appearance: Assisted with the design of the first iteration of the project; Categorized and analyzed over 250 images of robots.
- 2019 **Personal Robots Group, MIT Media Lab**
 Advisors: Dr. Cynthia Breazeal (PI), Dr. Hae Won Park, Dr. Anastasia Ostrowski
Robotic Emotional Engagement: Designed and built a rotating platform feature for the voice agent using Arduino (C/C++) and Solidworks; Collected, analyzed, and visualized behavioral data of 37 participants using Jupyter notebook (Python); Reviewed and edited a conference paper about trust, emotional engagement, and characteristic perceptions of social robots.
Older Adults Robotic Trust Design: Assisted with design sessions exploring older adults' perceptions of social robots; Transcribed audio interviews.
- 2018 **Socio-Cognitive Processes Lab, Princeton University**
 Advisors: Dr. Alin Coman (PI), Dr. Janet Pauketat
Emotional Synchronization: Transcribed and quantified linguistic data; Analyzed preliminary data using RStudio; Created visualizations to present the study results.
Blame Assignment: Designed and wrote up a research proposal about blame assignment within various social contexts and developed stimuli.
- 2018 **Virtual Environment Navigation Lab, Brown University**
 Advisor: Dr. William Warren (PI)
Motion Capture: Processed motion capture data and maintained data files; Updated existing programs written in MATLAB.

Teaching experience

- 2025 Summer **Instructor**
 Machine Learning Foundation

2020 – 2025 **Graduated Teaching Assistant**
Teams and Technology (with Malte Jung), Choices and Consequences in Computing
(With Jon Kleinberg and Karen Levy)

Industry experience

2022 – 2023 **Honda Research Institute**
Social Dynamics in Human-Human-Robot Interaction: Designed interaction model to measure interpersonal group dynamics through video and inform machine learning system design; Developed empirical study protocols to analyze multimodal emotional and behavioral data.

2022 **Exponent**
AR-Mediated Social Interaction: Conducted qualitative and quantitative user studies on users' acceptance and trust of smart glasses using A/B testing and semi-structured interviews.

Talks

November 2025 Ownership and the AI-Mediated Self
Psychology of Technology '25

June 2025 Reclaiming Agency in the Age of AI Co-Writing: Locus of Control and Narrative Identity
Creativity & Cognition '25, DC

May 2025 Large Language Model Use Impact Locus of Control
NAACL '25, In2Writing

November 2024 LLM and AI-mediated Self Presentation
Honda Research Invited Talk

August 2024 A Tool but Not a Peer: How Framing Affects People's Perceptions of AI Agents in Teams.
RO-MAN '24, Full Paper

August 2024 Navigating Professional Identities: Exploring the Impact of AI-Mediated Writing on Locus of Control
RO-MAN '24, HRI for Wellbeing Workshop

Oct 2023 Negotiating Dyadic Interactions through the Lens of Augmented Reality Glasses
Cornell XR Colloquium

July 2023	Negotiating Dyadic Interactions through the Lens of Augmented Reality Glasses <i>ACM Designing Interactive Systems Conference '23</i>
Nov 2022	Exploring Mediated Social Cognition in Augmented Reality <i>Psychology of Technology '22</i>
April 2022	A Tool but not a Peer: How Tool-Based Framing affects People's Perceptions of Robot Teammates <i>HRI '22, Robo-Identity 2 Workshop</i>
April 2022	Designing minimal sounds for maximum interaction <i>IEEE International Conference on Robotics and Automation (ICRA), Sound for Robots 2022 Workshop</i>

Community services

2025 – Present	Associate Chair ACM IUI
2024 – Present	Session Chair IEEE RO-MAN
2021 – Present	Peer review Computers in Human Behavior, Transactions on Human-Robot Interaction, CHI, HRI, DIS, Creativity and Cognition, CogSci
2021 – Present	Volunteer HRI, CHI, CSCW, RO-MAN, AI Mental Health Summit
2021 – Present	Mentorship New Visions Engineering, Admission Committee, First year mentoring
2016 – 2020	Brown Department student representative, Global engagement office ambassador, debate team social engagement chair

Technical skills

Data Science & Machine Learning

Proficient in: Python, R, \LaTeX

Familiar with: HTML, CSS, Git, JavaScript, Matlab

HCI Research & Design

Methodologies: User Surveys, Conversational Analysis, User Interaction Design, Video Ethnography, Interviews, Focus Groups, Participatory Design

Tools: Figma, Prolific, Qualtrics

Rapid Prototyping

Skills: Arduino Programming, 3D Printing, Laser Cutting

Language Proficiency

English (Bilingual), Mandarin Chinese (Bilingual)

Other interests

Fencing, Photography, Video Editing