

Jingyi Li

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<https://jingyi.me>

RESEARCH INTERESTS

*Human-Computer Interaction (HCI), Creativity Support Tools (CSTs),
Computational art and craft, Critical computing*

ACADEMIC POSITIONS

Pomona College
Assistant Professor of Computer Science

Jan 2024 – Present

EDUCATION

Stanford University
Ph.D. in Computer Science
Advisors: Sean Follmer & Maneesh Agrawala

Sep 2017 – Aug 2023

Stanford University
M.S. in Computer Science

Dec 2019

University of California, Berkeley
B.S. in Electrical Engineering & Computer Science
Certificates in Human-Centered Design & New Media
Advisor: Björn Hartmann

Aug 2013 – Dec 2016

University of Cambridge

Summer Abroad 2014

PUBLICATIONS

PEER-REVIEWED CONFERENCE AND JOURNAL ARTICLES

- [1] Catherine Liu*, Tao Long, Asya Lyubavina, Chau Vu, Jiaju Ma, **Jingyi Li**. Artistic Practice Opportunities in CST Evaluations: A Longitudinal Group Deployment of ArtKrit. To appear at *ACM DIS 2026*. (**Honorable mention award**)
- [2] Isabel Li, Ace Chen, Shm Almeda, Katie Chung, **Jingyi Li**. The Future of Creative Education: What We Can Learn About Technology from Art Teachers and Their Classrooms. To appear at *ACM DIS 2026*.
- [3] Jacob Ritchie and **Jingyi Li**. A bias against the present: Recurring sociotechnical oversights in HCI's cyclical visions of the future. *Undone Computer Science 2026*.
- [4] Jiaju Ma, Chau Vu*, Asya Lyubavina*, Catherine Liu, **Jingyi Li**. Computational Scaffolding of Composition, Value, and Color for Disciplined Drawing. In *Proceedings of ACM UIST 2025*. (**Best paper award**)
- [5] Miriam Brody, Izabella Rodrigues, Jane L. E, **Jingyi Li**. Expanding Norms, Negotiating Bodies: How Artists with Disabilities Perceive and Use Creative Tools. In *Proceedings of ACM ASSETS 2025*.
- [6] Isabel Li*, Ace Chen*, Eric Rawn, Shm Almeda, Björn Hartmann, **Jingyi Li**. Reimagining Misuse as Creative Practice: Impressions and Implications of Usage Norms on Digital Artists. In *Proceedings of ACM CHI 2025*.
- [7] **Jingyi Li**. Toward Appropriating Tools for Queer Use. In *Proceedings of ACM HFFF 2024*.
- [8] **Jingyi Li**, Eric Rawn, Jacob Ritchie, Jasper Tran O'Leary, Sean Follmer. Beyond the Artifact: Power as a Lens for Creativity Support Tools. In *Proceedings of ACM UIST 2023*.

- [9] Eric Rawn, **Jingyi Li**, Eric Paulos, Sarah Chasins. Understanding Version Control as Material Interaction with *Quickpose*. In *Proceedings of ACM CHI 2022*.
- [10] **Jingyi Li**, Wilmot Li, Sean Follmer, Maneesh Agrawala. Automated Accessory Rigs for Layered 2D Character Illustrations. In *Proceedings of ACM UIST 2021*.
- [11] **Jingyi Li**, Sonia Hashim, Jennifer Jacobs. What We Can Learn from Visual Artists about Software Development. In *Proceedings of ACM CHI 2021*.
- [12] **Jingyi Li**, Joel Brandt, Radomír Měch, Maneesh Agrawala, Jennifer Jacobs. Supporting Visual Artists in Programming through Direct Inspection and Control of Program Execution. In *Proceedings of ACM CHI 2020*.
- [13] **Jingyi Li**, Son Kim, Joshua A. Miele, Maneesh Agrawala, Sean Follmer. Editing Spatial Layouts through Tactile Templates for People with Visual Impairments. In *Proceedings of ACM CHI 2019*.
- [14] Michelle X. Zhou, Gloria Mark, **Jingyi Li**, Huahai Yang. Trusting Virtual Agents: The Effect of Personality. In *ACM Trans. Interact. Intell. Syst.* 9, 2-3, Article 10 (March 2019).
- [15] **Jingyi Li**, Michelle X. Zhou, Huahai Yang, Gloria Mark. Confiding in and Listening to Virtual Agents: The Effect of Personality. In *Proceedings of ACM IUI 2017*.
- [16] Valkyrie Savage, Sean Follmer, **Jingyi Li**, Björn Hartmann. Makers' Marks: Physical Markup for Designing and Fabricating Functional Objects. In *Proceedings of ACM UIST 2015*.

JURIED EXTENDED ABSTRACTS

- [1] Xinning He*, Shiman Zhang*, Luyao Ma, **Jingyi Li**, Yiyue Luo. TacDes: Design Interface toward Ubiquitous Tactile Sensing. In *Proceedings of ACM CHI 2025*.
- [2] **Jingyi Li**. Extending Computational Abstractions with Manual Craft for Visual Art Tools. In *Proceedings of ACM UIST 2022 Doctoral Symposium*.
- [3] Eric Rawn and **Jingyi Li**. Laser Cut Gels for Lighting Design. In *Proceedings of ACM CHI 2020*.
- [4] **Jingyi Li**, Jennifer Jacobs, Michelle Chang, Björn Hartmann. Direct and Immediate Drawing with CNC Machines. In *Proceedings of ACM Symposium on Computational Fabrication (SCF) 2017*.

WORKSHOP POSITION PAPERS

- [1] **Jingyi Li**. Subtle CSCW Traits: Tensions Around Identity Formation and Online Activism in the Asian Diaspora, *ACM CSCW 2021*.
- [2] **Jingyi Li**. Enactive Artefacts: The Craft of Cosplay. *Troubling Innovation Workshop, ACM CHI 2019*.
- [3] **Jingyi Li**, Daniel Lim, Valkyrie Savage, Björn Hartmann. CNC Assemblage: Integrating Existing, Physical Objects into New, Digital Designs. *CrossFAB Workshop, ACM CHI 2016*.

WORKSHOPS ORGANIZED

- [1] Tao Long, Sitong Wang, Émilie Fabre, Tony Wang, Anup Sathya, Jason Wu, Savvas Petridis, Dingzeyu Li, **Jingyi Li**, Tuhin Chakrabarty, Yue Jiang, Tiffany Tseng, Ken Nakagaki, Qian Yang, Nikolas Martelaro, Jeffery V Nickerson, Lydia B Chilton. Facilitating Longitudinal Interaction Studies of AI Systems. *ACM UIST 2025*.
- [2] Nava Haghghi, Mohammad Rashidujjaman Rifat, **Jingyi Li**, Alex S. Taylor, Daniela Rosner. Hope, Ontological Breakdowns, and a World of Many Worlds. *Society for Social Studies of Science (4S) Conference 2025*.
- [3] Sangho Suh, Hai Dang, Ryan Yen, Josh Pollock, Ian Arawjo, Rubaiat Habib, Hari Subramonyam, **Jingyi Li**, Nazums Saquib, Arvind Satyanarayan. Dynamic Abstractions: Building the Next Generation of Cognitive Tools and Interfaces. *ACM UIST 2024*.
- [4] Meg Stanfill, **Jingyi Li**, Josh Stenger, Sarah Serman. Digital Humanities Methods and Fan Studies. *HASTAC 2017*.

MAGAZINE ARTICLES

- [1] **Jingyi Li**, Michael Wessely, Sean Follmer, Stefanie Mueller. 2017. Summer School for Computational Fabrication and Smart Matter. *IEEE Pervasive Computing* 4, 50-53.

GRANTS, FELLOWSHIPS & AWARDS	ACM DIS Best Paper Award: Honorable Mention (top 5%)	2026
	Adobe Research Gift Fund	2025
	ACM UIST Best Paper Award (top 1%)	2025
	Pomona College David and Susan Hirsch Grant	2025
	SAGE Concept Grant	2024
	Center for Race and Digital Justice Early Faculty Fellow	2024
	Selected as a Rising Star in EECS	2022
	Stanford Diversifying Academia, Recruiting Excellence (DARE) Fellow	2021
	Brown Institute for Media Innovation Magic Grant	2021
	Stanford Computer Science Student Service Award	2019, 2020, 2021
	National Science Foundation (NSF) Graduate Research Fellow	2017
	CRA Outstanding Undergraduate Researcher, Runner Up	2017
	Stanford Enhancing Diversity in Graduate Education (EDGE) Fellow	2017
	ACM Student Travel Grant (IUI '17)	2017
	CRA Outstanding Undergraduate Researcher, Honorable Mention	2016

TEACHING

POMONA COLLEGE

CS 190: Human-Computer Interaction Senior Seminar [website]	Fall 2025
<i>Seniors. 13 students, no TA.</i>	
CS 62: Data Structures & Advanced Programming [website]	Fall, Spring 2025 Spring 2026
<i>Sophomore level. 20-30 students, 5 TAs.</i>	
CS 122: Computational Design Tools [website]	Fall, Spring 2024 Spring 2026
<i>Upper division level. 20-30 students, 2 TAs.</i>	
CS 51P: Introduction to Computer Science in Python [website]	Fall, Spring 2024
<i>Mixed undergraduate level. 65 students, 10 TAs, with Tzu-Yi Chen.</i>	

STANFORD UNIVERSITY

Instructor on record, CS 197: Computer Science Research	Spring 2022
<i>Mixed undergraduate level. 10 students, 1 TA.</i>	
Teaching assistant, CS 197: Computer Science Research	Spring 2021
<i>Mixed undergraduate level. Online, 20 students, 3 TAs, with instructor Lisa Yan.</i>	
Teaching assistant, CS 247G: Design for Play	Fall 2020
<i>Upper division level. Online, 40 students, 3 TAs, with instructor Christina Wodtke.</i>	

UNIVERSITY OF CALIFORNIA, BERKELEY

Teaching assistant, CS 184: Computer Graphics	Fall 2016
<i>Upper division level. 80 students, 3 TAs, with instructor James O'Brien.</i>	
Head teaching assistant, CS 160: User Interface Design & Development	Spring 2016, Fall 2015
<i>Upper division level. 200 students, 5 TAs, with instructor Eric Paulos.</i>	

INVITED TALKS & PRESS

- [1] Power, Norms, & Radical Humility: Towards Artistic Support Tools
ex)situ group, INRIA, France, 2026.
- [2] The 1st Animāre Seminar on Creativity Support Tools
University of Tokyo, Tokyo, Japan, 2026. [[archive](#)]
- [3] How Design Tools Codify Norms for Visual Artists
UCLA, Discourse Lab (Anthropology colloquium), Los Angeles, CA, 2025.
- [4] “Generative AI is the Fast Fashion of the Image World”
PAGE Magazine, Issue 4. [Online](#), 2025.
- [5] Rethinking Power Dynamics in Software Tools for Artists
Columbia University, Human-Computer Interaction Seminar, Manhattan, NY, 2025.
- [6] Abstraction as Material: Designing Computational Tools for Visual Artists
University of Toronto, Dynamic Graphics Group, Toronto, CA, 2022.
- [7] What We Can Learn from Artists about Software Development
MIT, HCI Engineering Group, Virtual, 2022.
- [8] Designing Tools for Visual Artists
UC Berkeley, Jacobs Institute’s Design Field Notes series, Virtual, 2021.
- [9] How Computers Can Support Craft
University of Potsdam, Hasso Plattner Institute, Virtual, 2021.
- [10] Ada Lovelace Week: Opening Plenary
University of Chicago, Virtual, 2020.
- [11] Adobe @ CHI: Supporting Visual Artists in Programming
Adobe Research, Virtual, 2020.
- [12] Guest lecture: Accessibility & HCI Research
CS 377Q (Design for Accessibility) & CS 247B (Design for Behavioral Change), Stanford, CA, 2019.
- [13] A Ratings System for Piracy: Quantifying and Mapping BitTorrent Activity for *The Walking Dead*
With Abigail De Kosnik & Benjamin De Kosnik
Distribution Matters: ICA Preconference, San Diego, CA, 2017.
- [14] Using Computer Science to Make Cool Stuff
TeenTechSF, Berkeley, CA, 2017.
- [15] Gone Fishing: New Participatory Cultures In & Out of *Hannibal*
Society of Cinema & Media Studies Undergraduate Conference, Smith College, MA, 2015.

MENTORSHIP **Undergraduate RAs at Pomona College**

Gavin Honey ‘28	2026-Present
PJ James ‘28	2026-Present
Stavros Zografos ‘28	2026-Present
Juni Cleary (Scripps ‘27)	2025-26
Juna Kawai-Yue (Columbia ‘25)	2025-26
Sophy Figaroa ‘26	2025-26
Hannah Guo ‘25	2025-26
Alia Bayoumi ‘27	2025
Yunju Song ‘26 (now: UCLA MEd)	2025-26

Arivumani Srivastava '26	2025-26
Tara Mukund '26	2025-26
Izabella Rodrigues (NYU '25) (now: NUS PhD)	2025
Isabel Li (UC Berkeley '24)	2024-26
EK Kim '25	2024
Jing O'Brien '25	2024-25
Vivian Wang '25 (now: Columbia MS)	2024-25
Asya Lyubavina '26	2024-26
Emily Zhu '26	2024
Catherine Liu (CMC) '26 (now: UChicago Postbac)	2024-26
Chau Vu '26 (now: Harvard PhD)	2024-26
Miriam Brody '26 (now: UW PhD)	2024-26
Cid Maciel '27	2024-25

Stanford Undergraduate Research Assistants (weekly meetings)

Ace Chen '24, UC Berkeley	2023-26
Carolann Dong '26, Alex Wong '25, Kerry Wong '24, UC Berkeley Data Science Discovery program	2023
Faith Cheung '25, Columbia summer research scholar	2022
Alice Liu '25, academic year mentee	2022
Cinthy Jauregi '22, Santa Clara University academic year mentee	2022
Christina Wang '24, academic year mentee	2022
Hillary Tran '24, PURE winter intern	2022
Julia Chin '23, CURIS summer intern	2021
Thomas Escudero '23, FWS summer intern	2021
Eric Rawn '21, academic year mentee (now: Berkeley CS PhD)	2019-21

Stanford Academic Mentees (twice a quarter)

Beleicia Bullock, PhD EDGE mentee	2021-23
Moussa Doumbouya, PhD EDGE mentee	2021-23
Shana Hadi, Stanford CS undergraduate mentee	2020
Hans Hanley, PhD EDGE mentee	2020
Michael Wornow, PhD EDGE mentee	2020-22
Crystal Nattoo, PhD EDGE mentee	2019-21

ACADEMIC
SERVICE

Conference Program & Organizing Committee

- ACM CHI 2025 Program Committee
- ACM UIST 2022, 2023, 2025, 2026 Program Committee
- ACM DIS 2024, 2025, 2026 Program Committee
- ACM UIST 2023 Local Arrangements Chair
- ACM UIST 2020, 2021 Student Volunteer Co-Chair
- ACM CHI 2021 Program Subcommittee Assistant

Session Chair

ACM DIS 2024, 2026
ACM UIST 2021, 2022, 2025

Reviewer

ACM CHI Papers, UIST Papers*, DIS Papers, C&C Papers, Aarhus LBWs 2025
ACM CHI Papers, UIST Papers*, DIS Papers, CSCW Papers* 2024
ACM CHI Papers*, UIST Papers*, DIS Papers* 2023
ACM CHI Papers, TOCHI Papers, UIST Papers* 2022
ACM SCF Papers, C&C Papers, SIGGRAPH Posters 2021
ACM CHI Papers*, DIS Papers, SIGGRAPH Papers, UIST Papers, 2020
IEEE Access Papers
ACM CHI Papers, SIGGRAPH ASIA Papers, C&C Late-Breaking Work 2019
**Recognition for outstanding reviews*

Student Volunteer

ACM UIST 2019, IUI 2017, CHI 2016

INSTITUTIONAL SERVICE

Pomona College Service

IRB Committee 2025 – 2026
Orientation Book Club Discussion Leader 2025
Protest Response Committee 2024

Pomona College Computer Science Department Service

CS Colloquium Organizer (joint with Harvey Mudd College) 2025
Social Chair 2025
ACM TAPIA & Grace Hopper Conference Organizer (with Tzu-Yi Chen) 2024

Stanford Departmental Service

Stanford CS PhD Admit Weekend Co-Chair 2019 – 2021
Stanford HCI Reading Group Organizer 2019 – 2022
Stanford CS Student-Applicant Support Program Reader 2020
Richard Tapia Conference Recruiter for Stanford CS 2020
Stanford CS Peer Mentors: HCI Area Lead 2020
Stanford HCI Lunch Coordinator and Speaker Organizer 2018 – 2019

RESEARCH POSITIONS

Graduate Researcher, **Shape Lab & Agrawala Group**, Stanford, CA Sep 2017 – Jun 2023
Topics: Accessible & tangible design tools, computational tools for artists
Advisors: Sean Follmer & Maneesh Agrawala

Research Scientist Intern, **Adobe Research**, Virtual Jun – Sep 2020
Topic: Automatically rigging accessories for 2D custom characters
Advisor: Wilmot Li

Rotation Student, **Bernstein Group**, Stanford, CA Mar – Jun 2018
Topic: Quantifying the homonormativity of fanfiction
Advisor: Michael Bernstein

Visiting Scholar, **INRIA (Université Paris-Sud)**, Paris, France Jun – Jul 2017
Topic: Sketch-based interfaces for data spreadsheets
Advisor: Wendy Mackay

	Undergraduate Researcher, Color of New Media , Berkeley, CA Topics: Online fandoms, internet piracy, #CancelColbert & Suey Park <i>Advisor: Abigail De Kosnik</i>	Feb – Dec 2016
	Undergraduate Researcher, Berkeley Institute of Design , Berkeley, CA Topics: Interactive systems for digital fabrication <i>Advisors: Björn Hartmann & Valkyrie Savage</i>	Jan 2015 – Dec 2016
PROFESSIONAL EXPERIENCE	CTO, Mediacy , Virtual Managed and organized technology and human pipelines for a suite of media related tools, such as MERL, which tags film and television for diversity scores.	Feb 2024 – Present
	Research Scientist Intern, Adobe , Virtual Published research on a tool for more customizable illustrations through automatically rigging accessories of mix-and-match characters.	Jun – Sep 2020
	UI & UX Design Intern, NVIDIA , Santa Clara, CA Designed wireframes, user flows, and interactive prototypes for a self driving vehicle data labeling tool.	Jan – May 2017
	Design Consultant, SumUp Analytics , Berkeley, CA Delivered low- and high-fidelity user interfaces and flows for a text analysis start-up with clients in sales and customer service.	Sep 2016 – Feb 2017
	Software Engineering Intern, Juji Inc. , Saratoga, CA Deployed organizational tools for recruiters. Authored a research paper testing a virtual agent's personality against perceived user trust.	Jun – Aug 2016