

Jingyi Li

jingyi.li@pomona.edu

<http://jingyi.me>

RESEARCH INTERESTS	<i>Human-Computer Interaction (HCI), Creativity Support Tools (CSTs), Computational art and craft, Critical computing</i>	
ACADEMIC POSITIONS	Pomona College Assistant Professor of Computer Science	Jan 2024 – Present
EDUCATION	Stanford University Ph.D. in Computer Science <i>Advisors: Sean Follmer & Maneesh Agrawala</i>	Sep 2017 – Aug 2023
	Stanford University M.S. in Computer Science	Dec 2019
	University of California, Berkeley B.S. in Electrical Engineering & Computer Science <i>Certificates in Human-Centered Design & New Media</i> <i>Advisor: Björn Hartmann</i>	Aug 2013 – Dec 2016
	University of Cambridge	Summer Abroad 2014

PUBLICATIONS

PEER-REVIEWED CONFERENCE AND JOURNAL ARTICLES

- [1] 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)**
- [2] 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*.
- [3] 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*.
- [4] **Jingyi Li**. Toward Appropriating Tools for Queer Use. In *Proceedings of ACM HTTF 2024*.
- [5] **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*.
- [6] Eric Rawn, **Jingyi Li**, Eric Paulos, Sarah Chasins. Understanding Version Control as Material Interaction with *Quickpose*. In *Proceedings of ACM CHI 2022*.
- [7] **Jingyi Li**, Wilmot Li, Sean Follmer, Maneesh Agrawala. Automated Accessory Rigs for Layered 2D Character Illustrations. In *Proceedings of ACM UIST 2021*.
- [8] **Jingyi Li**, Sonia Hashim, Jennifer Jacobs. What We Can Learn from Visual Artists about Software Development. In *Proceedings of ACM CHI 2021*.
- [9] **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*.

- [10] **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*.
- [11] 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).
- [12] **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*.
- [13] 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 Haghighi, 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, Arving Satyanarayan. Dynamic Abstractions: Building the Next Generation of Cognitive Tools and Interfaces. *ACM UIST 2024*.
- [4] Meg Stanfill, **Jingyi Li**, Josh Stenger, Sarah Stermann. 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 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] <i>Seniors. 13 students, no TA.</i>	Fall 2025
	CS 62: Data Structures & Advanced Programming [website] <i>Sophomore level. 20-30 students, 5 TAs.</i>	Fall, Spring 2025
	CS 181DT: Computational Design Tools [website] <i>Upper division level. 25 students, 2 TAs.</i>	Fall, Spring 2024
	CS 51P: Introduction to Computer Science in Python [website] <i>Mixed undergraduate level. 65 students, 10 TAs, with Tzu-Yi Chen.</i>	Fall, Spring 2024
	STANFORD UNIVERSITY	
	Instructor on record, CS 197: Computer Science Research <i>Mixed undergraduate level. 10 students, 1 TA.</i>	Spring 2022
	Teaching assistant, CS 197: Computer Science Research <i>Mixed undergraduate level. Online, 20 students, 3 TAs, with instructor Lisa Yan.</i>	Spring 2021
	Teaching assistant, CS 247G: Design for Play <i>Upper division level. Online, 40 students, 3 TAs, with instructor Christina Wodtke.</i>	Fall 2020
	UNIVERSITY OF CALIFORNIA, BERKELEY	
	Teaching assistant, CS 184: Computer Graphics <i>Upper division level. 80 students, 3 TAs, with instructor James O'Brien.</i>	Fall 2016
	Head teaching assistant, CS 160: User Interface Design & Development <i>Upper division level. 200 students, 5 TAs, with instructor Eric Paulos.</i>	Spring 2016
	Teaching assistant, CS 160: User Interface Design & Development <i>200 students, 5 TAs, with instructor Eric Paulos.</i>	Fall 2015

INVITED TALKS & PRESS

- [1] How Design Tools Codify Norms for Visual Artists
UCLA, Discourse Lab (Anthropology colloquium), Los Angeles, CA, 2025.
- [2] “Generative AI is the Fast Fashion of the Image World”
PAGE Magazine, Issue 4. [Online](#), 2025.
- [3] Rethinking Power Dynamics in Software Tools for Artists
Columbia University, Human-Computer Interaction Seminar, Manhattan, NY, 2025.
- [4] Abstraction as Material: Designing Computational Tools for Visual Artists
University of Toronto, Dynamic Graphics Group, Toronto, CA, 2022.
- [5] What We Can Learn from Artists about Software Development
MIT, HCI Engineering Group, Virtual, 2022.
- [6] Designing Tools for Visual Artists
UC Berkeley, Jacobs Institute’s Design Field Notes series, Virtual, 2021.
- [7] How Computers Can Support Craft
University of Potsdam, Hasso Plattner Institute, Virtual, 2021.
- [8] Ada Lovelace Week: Opening Plenary
University of Chicago, Virtual, 2020.
- [9] Adobe @ CHI: Supporting Visual Artists in Programming
Adobe Research, Virtual, 2020.
- [10] Guest lecture: Accessibility & HCI Research
CS 377Q (Design for Accessibility) & CS 247B (Design for Behavioral Change), Stanford, CA, 2019.
- [11] 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.
- [12] Using Computer Science to Make Cool Stuff
TeenTechSF, Berkeley, CA, 2017.
- [13] 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

Juni Cleary (Scripps ‘27)	2025-Present
Juna Kawai-Yue (Columbia ‘25)	2025-Present
Sophy Figaroa ‘26	2025-Present
Hannah Guo ‘25	2025-Present
Alia Bayoumi ‘27	2025-Present
Yunju Song ‘26	2025-Present
Arivumani Srivastava ‘26	2025-Present
Tara Mukund ‘26	2025-Present
Izabella Rodrigues (NYU ‘25)	2025
Isabel Li (UC Berkeley ‘24)	2024-Present
EK Kim ‘25	2024
Jing O’Brien ‘25	2024-25

Vivian Wang '25	2024-25
Asya Lyubavina '26	2024-Present
Emily Zhu '26	2024
Catherine Liu (CMC) '26	2024-Present
Chau Vu '26	2024-Present
Miriam Brody '26	2024-Present
Cid Maciel '27	2024-25

Stanford Undergraduate Research Assistants (weekly meetings)

Ace Chen '24, UC Berkeley	2023 – 2024
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
Cintha 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 – 2021

Stanford Academic Mentees (twice a quarter)

Beleicia Bullock, PhD EDGE mentee	2021 – 2023
Moussa Doumbouya, PhD EDGE mentee	2021 – 2023
Shana Hadi, Stanford CS undergraduate mentee	2020
Hans Hanley, PhD EDGE mentee	2020
Michael Wornow, PhD EDGE mentee	2020 – 2022
Crystal Nattoo, PhD EDGE mentee	2019 – 2021

ACADEMIC SERVICE

Conference Program & Organizing Committee

ACM CHI 2025 Program Committee
ACM UIST 2022, 2023, 2025 Program Committee
ACM DIS 2024, 2025 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
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, IEEE Access Papers	2020
	ACM CHI Papers, SIGGRAPH ASIA Papers, C&C Late-Breaking Work	2019
	<i>*Recognition for outstanding reviews</i>	
	Student Volunteer	
	ACM UIST 2019, IUI 2017, CHI 2016	
INSTITUTIONAL SERVICE	Pomona College Service	
	IRB Committee	2025
	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
RESEARCH POSITIONS	Stanford CS Peer Mentors: HCI Area Lead	2020
	Stanford HCI Lunch Coordinator and Speaker Organizer	2018 – 2019
	Graduate Researcher, Shape Lab & Agrawala Group , Stanford, CA	Sep 2017 – Jun 2023
	Topics: Accessible & tangible design tools, computational tools for artists	
	<i>Advisors: Sean Follmer & Maneesh Agrawala</i>	
	Research Scientist Intern, Adobe Research , Virtual	Jun – Sep 2020
	Topic: Automatically rigging accessories for 2D custom characters	
	<i>Advisor: Wilmot Li</i>	
	Rotation Student, Bernstein Group , Stanford, CA	Mar – Jun 2018
	Topic: Quantifying the homonormativity of fanfiction	
	<i>Advisor: Michael Bernstein</i>	
	Visiting Scholar, INRIA (Université Paris-Sud) , Paris, France	Jun – Jul 2017
	Topic: Sketch-based interfaces for data spreadsheets	
	<i>Advisor: Wendy Mackay</i>	
	Undergraduate Researcher, Color of New Media , Berkeley, CA	Feb – Dec 2016
	Topics: Online fandoms, internet piracy, #CancelColbert & Suey Park	
	<i>Advisor: Abigail De Kosnik</i>	
	Undergraduate Researcher, Berkeley Institute of Design , Berkeley, CA	Jan 2015 – Dec 2016
	Topics: Interactive systems for digital fabrication	
	<i>Advisors: Björn Hartmann & Valkyrie Savage</i>	

PROFESSIONAL EXPERIENCE	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 deep learning 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
OUTREACH & LEADERSHIP	Panelist, EDGE Program , Stanford, CA Offered academic advice to junior PhD students through a series of panels.	2019 – 2022
	Teacher, Get Set Tri-Valley , Virtual Hosted 30 high school girls interested in STEM, with Shape Lab.	Jan 2021
	Panelist, SMASH Rising Scholars , Virtual Discussed the experience of doing a PhD with 20 Black & Latinx undergrads.	Jul 2020
	Demo, Exploratorium After Dark: Tactile , San Francisco, CA Ran public demo booths at the SF Exploratorium, with Shape Lab.	Jan 2020
	Teacher, Stanford SPLASH , Stanford, CA Taught 20 low-income middle schoolers about design, with Shape Lab.	Nov 2019
	Teacher, Stanford seeME , Stanford, CA Created instructional materials & taught 20 low-income middle schoolers about design, with Shape Lab.	Apr 2019
	Panelist, CS160 Future Careers Panel , Berkeley, CA Discussed the experience of doing a PhD to 200 UC Berkeley undergrads.	Nov 2018
	Panelist & Reviewer, SWE Grad School Spotlight , Stanford, CA Discussed the experience of doing a PhD to 40 female Stanford undergraduates & gave feedback on their SOPs.	Nov 2017
	Makerspace Manager, Cloyne Court Cooperative , Berkeley, CA Directed the makerspace of a 140 student housing cooperative, organizing workshops & maintaining shop inventory.	Jan – Dec 2016
	President, Berkeley Innovation , Berkeley, CA Supervised outreach, increasing club membership over 50%. Created “The Science of Sound” exhibit for the Santa Cruz Mobile Children’s Museum.	2014 – 2015
	Treasurer, oSTEM UC Berkeley , Berkeley, CA Fundraised \$6k for queer STEM students to travel to national career advancement conferences.	2013– 2014