YASMINE KOTTURI

ykotturi.github.io

EDUCATION

Ph.D.	2022	Carnegie Mellon University, Human-Computer Interaction
M.S.	2020	Carnegie Mellon University, Human-Computer Interaction
		Specialization in Computer Science
B.S.	2014	University of California, San Diego, Cognitive Science

Experience in Higher Education

2024 - Present	University of Maryland, Baltimore County, Assistant Professor, Information Systems
2025 - Present	University of Maryland, Baltimore County, Affiliate Assistant Professor, Computer Science and Electrical Engineering
2022-2024	Carnegie Mellon University, Postdoctoral Scholar, Human-Computer Interaction
2016-2022	Carnegie Mellon University, Graduate Research Assistant, Human-Computer Interaction
2020-2021	Carnegie Mellon University, Graduate Teaching Assistant, Software Engineering
2016-2016	Massachusetts Institute of Technology, Research Fellow, Teaching Systems Lab
2015-2016	UC San Diego, Graduate Research Assistant, Computer Science and Engineering
2015-2016	UC San Diego, Graduate Teaching Assistant, Computer Science and Engineering
2014-2015	UC San Diego, Research Assistant, Design Lab
2013-2014	UC San Diego, Research Assistant, Cognitive Science
2012-2013	UC San Diego, Research Assistant, Psychology

Experience in Other than Higher Education

2018-2018	Etsy, Research Fellow
2015-2015	Microsoft Research Asia, Human-Computer Interaction Research Assistant

Honors Received

2025-2026	CRA Trustworthy AI Fellow (Inaugural cohort), supported by Microsoft
2025-2026	University System of Maryland Generative AI Pedagogy Fellow (Inaugural cohort)

2025	Fellowship at Auschwitz for the Study of Professional Ethics (FASPE)
2024	Consortium for the Science of Sociotechnical Systems (CSST) Fellow
2022	Electrical Engineering and Computer Science (EECS) Rising Star
2022	Siebel Scholar
2015	Contributions to Diversity, Computer Science and Engineering, UC San Diego
2014	UC San Diego Cum Laude; BS Honors Thesis

Research Support and/or Fellowships

2025-2025	$1,500 University System of Maryland Generative AI Pedagogy Fellowship
2025-2026	$16,500 CRA Trustworthy AI Fellow
2025-2026	$2,000 UMBC Eileen and Jerry Carroll Faculty Research Fund, Co-P.I.
2025-2026	$15,000 UMBC Commercialization & Entrepreneurship Award, P.I.
2024-2025	$8,000, UMBC Summer Research Faculty Fellowship, P.I.
2024-2025	$3,340, UMBC President Hrabowski Pedagogy Innovation Award, P.I.
2024-2025	$1,500, UMBC Supplement for Undergraduate Research Experiences, P.I.
2023-2024	$129,543, National Science Foundation, CO-P.I.
2023-2023	$26,273, National Science Foundation, CO-P.I.
2023-2023	€4,000, Artificial Intelligence Journal, CO-P.I.
2022-2024	$197,044, Virginia Tech AI Presidential Postdoctoral Fellowship
2022-2024	$120,000, Cornell Tech Ignite Venture Postdoctoral Fellowship
2021-2022	$50,000, Work in the Age of Intelligent Machines (WAIM) Fellowship
2021-2022	$35,000, Siebel Foundation Fellowship
2020-2021	$99,497, Meta, Inc., Research Fellowship

Current Ph.D. Students

Marjory Pineda, PhD in Human-Centered Computing (Est. graduation 2028), Ph.D. Chair

Qi Zhao, PhD in Human-Centered Computing (Est. graduation 2029), Ph.D. Chair

Kirk A. Crawford, PhD in Human-Centered Computing (Est. graduation 2025), Ph.D. Committee Member

Zainab Balogun, PhD in Human-Centered Computing (Est. graduation 2027), Ph.D. Committee Member

Current Master's Students

Kaoru Seki, MS in Human-Centered Computing (Est. graduation 2025), Master's Thesis Chair, 2024-present.

Manisha Vijay, MS in Human-Centered Computing, 2025-present.

Ketul Chhaya, MS in Computer Science, 2025-present.

Aasmita Bhattacharya, MS in Human-Centered Computing, 2025-present.

Current Undergraduate Students

Quentin Romero Lauro, BS in Computer Science, 2023-present.

Saumya Brahmbhatt, BS in Computer Science, 2025-present.

Other Students Mentored

- Yaxin Hu, PhD Computer Science, University of Wisconsin '26

- Pranav Khadpe, PhD Human-Computer Interaction, CMU '26, now at Microsoft Research

- Clara Lam, BS Information Systems, CMU '24, now at Nintendo

- Erin Gatz, PhD Education, University of Pittsburgh '23, now at CMU

- Jiani Huang, BS Psychology and Informatics, UW '23, now at U Michigan

- Emmaline Mai, BS Computer Science, CMU '23, now at Hasso Plattner

- Harvey Zheng, BS Statistics and Machine Learning, CMU '23, now at Amazon

- Jenny Yu, BS Computer Engineering, CMU '21, now at Subtle Medical

- Allison Blaising, BA Communication, Cal Poly `19, now at Upwork

- Andrew Du, BS Computer Science UCSD `17, now at Google

- Xiaohui Tong, MS Computer Science, Stanford `17, now at Booking

PUBLICATIONS, PRESENTATIONS, AND CREATIVE ACHIEVEMENTS

Publications

Peer-Reviewed Works

○ **Journal Articles**

1. Gatz, E., Kotturi, Y., Afua Kwamya, A., Fox, S., A Node on the Constellation: The Role of Feminist Makerspaces in Building and Sustaining Alternative Cultures of Technology Production. 2025. ACM Conference on Computer Supported Cooperative Work. *Accepted for publication.*

2. Friedman, N., Bremmers, A., Nyanyo, A., Clark, I., Kotturi, Y., Dabbish, L., Ju, W., Martelaro, N. Understanding the Challenges of Maker Entrepreneurship. 2025. ACM Conference on Computer Supported Cooperative Work.

3. Kotturi, Y., Yu, J., Khadpe, P., Gatz, E., Zheng, H., Fox, S. E., & Kulkarni, C. (2024). Peerdea: Co-Designing a Peer Support Platform with Creative Entrepreneurs. *Proceedings of the ACM on Human-Computer Interaction*, *8*(CSCW1), 24 pages.

4. Kotturi, Y., Hui, J., Johnson, T. J., Sanifu, L., & Dillahunt, T. R. (2024). Sustaining Community-Based Research in Computing: Lessons from Two Tech Capacity Building Initiatives for Local Businesses. *Proceedings of the ACM on Human-Computer Interaction*, *8*(CSCW1), 31 pages.

5. Kotturi, Y., Blaising, A., Fox, S. E., & Kulkarni, C. (2021). The Unique Challenges for Creative Small Businesses Seeking Feedback on Social Media. *Proceedings of the ACM on Human-Computer Interaction*, *5*(CSCW1), 27 pages.

6. Blaising, A., Kotturi, Y., Kulkarni, C., & Dabbish, L. (2021). Making it work, or not: A longitudinal study of career trajectories among online freelancers. *Proceedings of the ACM on Human-Computer Interaction*, *4*(CSCW3), 29 pages.

7. Edge, D., Yang, X., Kotturi, Y., Wang, S., Feng, D., Lee, B., & Drucker, S. (2016). Slidespace: Heuristic design of a hybrid presentation medium. *ACM Transactions on Computer-Human Interaction (TOCHI)*, *23*(3), 30 pages.

○ **Conference Proceedings**

1. Kotturi, Y., Anderson, A., Ford, G., Skirpan, M., & Bigham, J. P. (2024, May). Deconstructing the Veneer of Simplicity: Co-Designing Introductory Generative AI Workshops with Local Entrepreneurs. In *Proceedings of the CHI Conference on Human Factors in Computing Systems,* 16 pages.

2. Hu, Y., Stegner, L., Kotturi, Y., Zhang, C., Peng, Y. H., Huq, F., Zhao, Y., Bigham J., & Mutlu, B. (2024, July). "This really lets us see the entire world:" Designing a conversational telepresence robot for homebound older adults. In *Proceedings of the 2024 ACM Designing Interactive Systems Conference,* 17 pages.

3. Kotturi, Y., Johnson, H. T., Skirpan, M., Fox, S. E., Bigham, J. P., & Pavel, A. (2022, April). Tech help desk: Support for local entrepreneurs addressing the Long Tail of computing challenges. In *Proceedings of the 2022 CHI Conference on Human Factors in Computing Systems,* 15 pages.

4. Kotturi, Y., Kahng, A., Procaccia, A., & Kulkarni, C. (2020, April). Hirepeer: Impartial peer-assessed hiring at scale in expert crowdsourcing markets. In *Proceedings of the AAAI conference on artificial intelligence* (Vol. 34, No. 03), 7 pages.

5. Kahng, A., Kotturi, Y., Kulkarni, C., Kurokawa, D., & Procaccia, A. (2018, April). Ranking wily people who rank each other. In *Proceedings of the AAAI Conference on Artificial Intelligence* (Vol. 32, No. 1), 7 pages.

6. Kotturi, Y., Kulkarni, C. E., Bernstein, M. S., & Klemmer, S. (2015, March). Structure and messaging techniques for online peer learning systems that increase stickiness. In *Proceedings of the Second (2015) ACM Conference on Learning@ Scale*, 8 pages.

7. Kulkarni, C., Cambre, J., Kotturi, Y., Bernstein, M. S., & Klemmer, S. R. (2015, February). Talkabout: Making distance matter with small groups in massive classes. In *Proceedings of the 18th ACM conference on computer supported cooperative work & social computing*, 8 pages.

o   **Demos, Posters and Workshops**

1. Kim, J., Liu, L., Pyle, C., Somanath, S., Popowski, L., Shen, H., Fiesler C., Hayes, G., Hiniker, A., Ju, W., Mueller, F., Arif, A., Kotturi, Y. Design as Hope: Reframing Complex Societal Challenges Through Collaborative Reflection. *Companion Publication of the 2025 Conference on Computer Supported Cooperative Work and Social Computing.*

2. Romero Lauro, Q., Gautum, A., Kotturi, Y., "BizChat: Scaffolding AI-Powered Business Planning for Small Business Owners Across Digital Skill Levels" CHIWORK. 2025.

3. Romero Lauro, Q., Bigham, J., and Kotturi, Y. "Exploring the Role of Social Support When Integrating Generative AI in Small Business Workflows." *Companion Publication of the 2024 Conference on Computer-Supported Cooperative Work and Social Computing*. 2024.

4. Liang, C. A., Tseng, E., Dewitt, A., Kotturi, Y., Ghoshal, S., Smith, A. D., Wong-Villacres, M., Wilcox, L., Erete, S. (2023, October). Surfacing Structural Barriers to Community-Collaborative Approaches in Human-Computer Interaction. In *Companion Publication of the 2023 Conference on Computer Supported Cooperative Work and Social Computing* (pp. 542-546).

5. Hui, J., Cranshaw, J., Kotturi, Y., & Kulkarni, C. (2019, November). The Future of Work (places) Creating a Sense of Place for On-demand Work. In *Companion Publication of the 2019 Conference on Computer Supported Cooperative Work and Social Computing* (pp. 487-491).

6. Kotturi, Y., & Kingston, M. (2019, June). Why do Designers in the "Wild" Wait to Seek Feedback until Later in their Design Process?. In *Proceedings of the 2019 Conference on Creativity and Cognition* (pp. 541-546).

7. Blaising, A., Kotturi, Y., & Kulkarni, C. (2019, May). Navigating uncertainty in the future of work: Information-seeking and critical events among online freelancers. In *Extended abstracts of the 2019 CHI conference on human factors in computing systems* (pp. 1-6).

8. Kotturi, Y., Du, A., Klemmer, S., & Kulkarni, C. (2017, April). Long-term peer reviewing effort is anti-reciprocal. In *Proceedings of the Fourth (2017) ACM Conference on Learning@ Scale* (pp. 279-282).

9. Pandey, V., Kotturi, Y., Kulkarni, C., Bernstein, M. S., & Klemmer, S. (2015, March). Connecting stories and pedagogy increases participant engagement in discussions. In *Proceedings of the Second (2015) ACM Conference on Learning@ Scale* (pp. 253-256).

Works Submitted or In Preparation

• Romero Lauro, Q., Gautum, A. Kotturi, Y., Towards Designing for Resilience: Community-Centered Deployment of an AI Business Planning Tool in a [City] Small Business Center. In *Proceedings of the CHI Conference on Human Factors in Computing Systems,* 2026. Under Review.

• Seki, K.*, Vijay, M.*, Kotturi, Y., Student-Driven Generative AI Policy in a Design Classroom. In *Proceedings of the CHI Conference on Human Factors in Computing Systems,* 2026. Under Review.

Book Chapters

1. Kulkarni, C., Kotturi, Y., Bernstein, M. S., & Klemmer, S. (2016). Designing scalable and sustainable peer interactions online. *Design Thinking Research: Taking Breakthrough Innovation Home*, 237-273.

<u>Presentations</u>

• **Conference/Poster Presentations (Juried/Refereed)**

• Peerdea: Co-Designing a Peer Support Platform with Creative Entrepreneurs. In the *Proceedings of the ACM on Human-Computer Interaction*. San José, Costa Rica. November 2024.

• Sustaining Community-Based Research in Computing: Lessons from Two Tech Capacity Building Initiatives for Local Businesses. In the *Proceedings of the ACM on Human-Computer Interaction*. San José, Costa Rica. November 2024.

• Deconstructing the Veneer of Simplicity: Co-Designing Introductory Generative AI Workshops with Local Entrepreneurs. In *Proceedings of the CHI Conference on Human Factors in Computing Systems*. Honolulu, Hawai'i. May 2024.

• Tech help desk: Support for local entrepreneurs addressing the Long Tail of computing challenges. In *Proceedings of the 2022 CHI Conference on Human Factors in Computing Systems*. New Orlean, LA. May 2022.

• The Unique Challenges for Creative Small Businesses Seeking Feedback on Social Media. In *Proceedings of the ACM on Human-Computer Interaction*. Remote. October 2021.

• Structure and messaging techniques for online peer learning systems that increase stickiness. In *Proceedings of the Second (2015) ACM Conference on Learning@ Scale*. Vancouver, British Columbia. April 2015.

• **Invited Talks**

• Building Worker Resilience in Place-Based Communities amid Rapid Technological Change. Massachusetts Institute Of Technology, Cambridge, Massachusetts. March 2025.

• Community-Based Approaches to Building Peer Support Systems for Work. University of Maryland Human-Computer Interaction Lab, College Park, Maryland. December 2024.

• Community-Based Approaches to Building Peer Support Systems for Work. UMBC Information Systems Department, Baltimore, Maryland. December 2024

• Peerdea: Bolstering the Role of Peer-to-Peer Networks in Early-Stage Product Innovation. Meta Inc (Remote). December 2020.

• The Role of Peer-to-Peer Networks in Early-Stage Product Innovation. Meta, New York City, NY. February 2020.

• Designing Peer Interactions Among Online Workers to Enable Worker-Driven Pursuits. Meta, New York City, NY. November 2018.

• Designing Peer Interactions Among Online Workers to Enable Worker-Driven Pursuits. B12, New York City, NY. November 2018.

- Building Scalable and Sustainable Peer Interactions Online. MIT Teaching Systems Lab, Cambridge, Massachusetts. June 2016.

- Leveraging Studio Model for Creating Peer Assessment Environment Online. Hasso-Plattner Institute, Potsdam Germany. September 2015.

- Using Google Hangouts for Small Discussions in Massive Online Classes. Tsinghua University, Beijing, China. August 2015.

  - **Guest Lectures**

Etsy and the Future of Creative Work. Princeton EGR 371/ENT 371: *Designing the Future of Work: Public Interest Technology Development*. Taught by Professor Andrés Monroy-Hernández. February 2024.

The Gig Economy: Technology and Policy. CMU 17-200: *Ethics and Policy Issues in Computing*. Taught by Profs Laura Danish and Jim Herbsleb. February 2021.

Sketching, Storyboarding, and Prototyping in Design Thinking. MIT 11.155x: *Design Thinking for Leading and Learning*. Taught by Prof Justin Reich. April 2017.

SERVICE TO THE DEPARTMENT, UNIVERSITY, COMMUNITY AND PROFESSION

Service to the Department

2025-2026, Applied AI Master's Degree Development Committee, UMBC

2025-2026, Graduate Program Committee Member, University of Maryland, Baltimore County

2025-2026, Reviewer, IS PhD and HCC PhD Applications, University of Maryland, Baltimore County

2024-2025, Reviewer, IS PhD and HCC PhD Applications, University of Maryland, Baltimore County

Service to the University

2019-2022, Co-founder, The Breakfast Club for Queer and Gender Minorities, Carnegie Mellon University

2019, Reviewer, HCII PhD Admissions Committee, Carnegie Mellon University

2019-2019, Member, Respect and Relationships Committee, Carnegie Mellon University

2018-2020, Member, HCII-Improve, Carnegie Mellon University

2018-2019, Officer, Graduate Queers and Allies, Carnegie Mellon University

2015-2016, Vice President, Graduate Women in Computing, UC San Diego

Service to the Community

2019-2024, Co-founder and lead technical provider, Tech Help Desk, Community Forge, Wilkinsburg PA

Service to the Profession

2026, Associate Paper Chair, ACM Computer-Supported Cooperative Work

2026, Associate Paper Chair, ACM Computer-Human Interaction

2025, Best Paper Judge, ACM Collective Intelligence

2025, Panelist, IIS, National Science Foundation

2025, Reviewer, FAccT

2025, Associate Paper Chair, ACM Computer-Supported Cooperative Work

2024, Reviewer, ACM Transactions of Human-Computer Interaction

2023, Panelist, National Science Foundation

2023, Associate Paper Chair, ACM Designing Interactive Systems

2023, Scholarships Chair, AAAI HCOMP and ACM Collective Intelligence

2022-2024, Reviewer, ACM Computer-Supported Cooperative Work

2021, Program Committee, ACM Learning @ Scale

2021, Reviewer, ACM Creativity and Cognition

2017-2025, Reviewer, ACM Human Factors in Computing