

Kathleen (Kate) Candon

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EDUCATION

- 2020 – Present **Yale University [USA]**
PhD in Computer Science | Advisors: Marynel Vázquez & Brian Scassellati
- 2012 – 2016 **Massachusetts Institute of Technology (MIT) [USA]**
B.S. in Mathematics with Computer Science | Phi Beta Kappa Honor Society

RESEARCH EXPERIENCE

- 2020 – Present **Interactive Machines Group & Social Robotics Lab at Yale University**
Graduate Student Researcher
- Researching implicit and explicit feedback in human-robot interactions
 - Mentoring undergraduate students in various research activities

PEER-REVIEWED FULL CONFERENCE PUBLICATIONS

- [C6] **Kate Candon**, Jesse Chen, Yoony Kim, Zoe Hsu, Nathan Tsoi, and Marynel Vázquez. Nonverbal Human Signals Can Help Autonomous Agents Infer Human Preferences for Their Behavior. In *Proceedings of the 22nd International Conference on Autonomous Agents and Multi-Agent Systems (AAMAS)*, May 2023. [23% Accept. Rate]
- [C5] Qiping Zhang, Austin Narcomey, **Kate Candon**, and Marynel Vázquez. Self-Annotation Methods for Aligning Implicit and Explicit Human Feedback in Human-Robot Interaction. In *Proceedings of the 2023 ACM/IEEE International Conference on Human-Robot Interaction (HRI)*, March 2023. [25% Accept. Rate]
- [C4] Jake Brawer, Debasmita Ghose, **Kate Candon**, Meiyang Qin, Alessandro Roncone, Marynel Vázquez, and Brian Scassellati. Interactive Policy Shaping for Human-Robot Collaboration with Transparent Matrix Overlays. In *Proceedings of the 2023 ACM/IEEE International Conference on Human-Robot Interaction (HRI)*, March 2023. ***Best Technical Paper Award**. [25% Accept. Rate]
- [C3] **Kate Candon**, Helen Zhou, Sarah Gillet, and Marynel Vázquez. Verbally Soliciting Human Feedback in Continuous Human-Robot Collaboration: Effects of the Framing and Timing of Reminders. In *Proceedings of the 2023 ACM/IEEE International Conference on Human-Robot Interaction (HRI)*, March 2023. [25% Accept. Rate]
- [C2] **Kate Candon**, Zoe Hsu, Yoony Kim, Jesse Chen, Nathan Tsoi, and Marynel Vázquez. Perceptions of the Helpfulness of Unexpected Agent Assistance. In *Proceedings of the 10th International Conference on Human-Agent Interaction (HAI)*, December 2022. [39% Accept. Rate]
- [C1] Nathan Tsoi, **Kate Candon**, Deyuan Li, Yofti Milkessa, and Marynel Vázquez. Bridging the Gap: Unifying the Training and Evaluation of Neural Network Binary Classifiers. In *Advances in Neural Information Processing Systems (NeurIPS)*, November 2022. [26% Accept. Rate]

PEER-REVIEWED SHORT CONFERENCE PAPERS

- [S1] **Kate Candon**, Nicholas C. Georgiou, Helen Zhou, Sidney Richardson, Qiping Zhang, Brian Scassellati, and Marynel Vázquez. REACT: Two Datasets for Analyzing Both Human Reactions and Evaluative Feedback to Robots Over Time. In *Proceedings of the 2024 ACM/IEEE International Conference on Human-Robot Interaction (HRI)*, March 2024.

PEER-REVIEWED LATE BREAKING REPORTS

- [L1] Houston Claire, **Kate Candon**, Olivia Clark, and Marynel Vázquez. Multiplayer Space Invaders: A Platform for Studying Evolving Fairness Perceptions in Human-Robot Interaction. In *Companion of the 2024 ACM/IEEE International Conference on Human-Robot Interaction (HRI Companion)*, March 2024.

PEER-REVIEWED WORKSHOP PAPERS

- [W1] **Kate Candon** and Marynel Vázquez. Context²: On the importance of the context of context in human robot interaction. In *HRI workshop on Context-Awareness in Human-Robot Interaction*, March 2022.

PENDING SUBMISSIONS AT AI CONFERENCES

- [P2] **Kate Candon**, Nicholas Georgiou, Rebecca Ramnauth, Jessie Cheung, E. Chandra Fincke and Brian Scassellati. Title Omitted for Anonymity. Submitted to EAAI-25.
- [P1] Nicholas C. Georgiou, Shuangge Wang, Joel A. N. Banks, **Kate Candon**, Dražen Brščić, Brian Scassellati. Title Omitted for Anonymity. Submitted to Main Track of AAAI 2025.

AWARDS

- 2024 HRI Pioneers
- 2023 AAMAS Doctoral Consortium Participant & Student Scholarship
- 2020, 2022 Honorable Mention for National Science Foundation Graduate Research Fellowship
- 2022 CRA-WP Grad Cohort for Women: travel grant to attend conference

MENTORING

- 2024 Lena Qian (Undergraduate Researcher, Interactive Machines Group)
- 2023 Sidney Richardson (Undergraduate Researcher, Interactive Machines Group)
- 2023 Hanah Leventhal (Undergraduate Thesis, Interactive Machines Group)
- 2023 Crystal Wang (Undergraduate Thesis, Interactive Machines Group)
- 2023 Sam Danquah (Undergraduate Thesis, Interactive Machines Group)
- 2022-2023 Helen Zhou (Undergraduate Researcher, Interactive Machines Group)
- 2022 Coco Sack (Undergraduate Thesis, Social Robotics Lab)
- 2022 Ariel Melendez (Undergraduate Researcher, Social Robotics Lab)
- 2021-2022 Jesse Chen (Undergraduate Researcher, Interactive Machines Group)
- 2021 Yoony Kim (Undergraduate Researcher, Interactive Machines Group)
- 2021 Zoe Hsu (STARS Undergraduate Researcher, Interactive Machines Group)

TEACHING EXPERIENCE

- Spring 2024 **AI for Future Presidents, Yale University** | *Teaching Fellow*
- Spring 2022 **Artificial Intelligence, Yale University** | *Teaching Fellow*
- Fall 2021 **Intelligent Robotics, Yale University** | *Teaching Fellow*

WORK EXPERIENCE

- 2018-2020 **Massachusetts Executive Office of Health and Human Services (EOHHS)**
Senior Strategy Manager, MassHealth
- 2016-2018 **McKinsey & Company**
Business Analyst

