

Kathleen (Kate) Candon

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EDUCATION

- 2020 – Present **Yale University**
PhD in Computer Science
Advisors: Marynel Vázquez & Brian Scassellati
- 2016 **Massachusetts Institute of Technology (MIT)**
B.S. in Mathematics with Computer Science
GPA: 5.0/5.0, Phi Beta Kappa Honor Society

RESEARCH EXPERIENCE

- 2020 – Present **Interactive Machines Group & Social Robotics Lab at Yale University**
Graduate Student Researcher
- Researching prosocial behavior and implicit feedback in human-robot interactions
 - Exploring robotics applications in elder care settings to promote safe and independent aging in place
 - Mentoring 3 undergraduate students in various research activities

PUBLICATIONS: PREPRINTS, UNDER REVIEW

- 2021 Candon, K., Hsu, Z., Chen, J., Kim, Y., Tsoi, N., & Vázquez, M. (2021). Understanding Expectations, Preferences, and Reactions to Help from an Interactive Agent in Space Invaders. Under Review.
- 2021 Tsoi, N., Candon, K., Milkessa, Y., & Vázquez, M. (2020). An End-to-End Approach for Training Neural Network Binary Classifiers on Metrics Based on the Confusion Matrix. arXiv preprint arXiv:2009.01367.

TEACHING EXPERIENCE

- Fall 2021 **Intelligent Robotics, Yale University**
Teaching Fellow
- Fall 2015 **Fundamentals of Programming, MIT**
Lab Assistant
- Winter 2014 **Global Teaching Labs at MIT**
Teaching Ambassador in Pavia, Italy
- Planned and taught month of math and computer science classes to high school students

WORK EXPERIENCE

- 2018-2020 **Massachusetts Executive Office of Health and Human Services (EOHHS)**
Senior Strategy Manager, MassHealth
- Lead Covid-19 projects including: scheduling bi-weekly safety audits of almost 400 nursing facilities, developing and funding infection protocols for inpatient psychiatric facilities
 - Conducted research and analyses to refine strategic direction of integrated care programs for dual eligible members in Massachusetts as part of ongoing negotiations with the Centers for Medicare & Medicaid Services
 - Researched eligibility policies and processes to identify opportunities for improvement
 - Managed primary care initiatives across 6+ agencies as part of EOHHS effort to create a behavioral health ambulatory treatment system
 - Collaborated with academic research teams analyzing Medicaid data to provide programmatic input
 - Managed a Strategy Analyst who was promoted to Strategy Manager after one year
- 2016-2018 **McKinsey & Company**
Business Analyst
- Researched and communicated solutions for clients on strategic and analytical projects across industries including financial services, retail, transportation, and the public sector
 - Investigated customer experience in the public sector through descriptive and multivariate analysis of survey with 15,000+ respondents, contributing to McKinsey article “Understanding the customer experience with government”
 - Overhauled sourcing process, built SQL database, and structured business-as-usual analyses for major U.S. fashion retailer

COMMUNITY INVOLVEMENT

- 2017-2020 **Back on My Feet**
Volunteer with Boston, MA & Washington, DC chapters
- Supported members in their transition from homelessness to independence through weekly runs
- 2016-2018 **McKinsey Social Impact Group**
Member of pro-bono teams
- Researched profiles of successful, scalable businesses in rural communities in support of the Center on Rural Innovation
 - Conducted market research on potential donors and giving organizations in the DC area for Back on My Feet
- 2016 **Codelt at MIT**
Volunteer Mentor
- Mentored students in MIT’s student-run weekly programming class for middle school girls