**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 | **CodeIt at MIT**  *Volunteer Mentor*   * Mentored students in MIT’s student-run weekly programming class for middle school girls |