Rebecca Ramnauth

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Overview: I build theories about how people think, learn, and interact with the world around them. Then, I apply these theories to develop robot-assisted interventions to better support users of various cognitive and technical abilities.

Such theories include a theoretical framework for discerning socially appropriate robotic assistance, robot-assisted social skills interventions for Autism Spectrum Disorder, long-term mental health support for caregivers of and individuals with dementia, a teleoperated robot platform for mitigating social isolation during the COVID-19 pandemic, global benchmarks for AI social capability developed in partnership with the OECD, designing robotic environments for social-emotional regulation for K-5 public schools, and building custom social robots for anxiety reduction on university campuses.

Keywords: human-robot interaction (HRI), artificial intelligence (AI), robotics, social cognition

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Education

August 2019 – August 2025 • **Ph.D. in Computer Science** · Yale University

Committee: Brian Scassellati (Advisor, Yale Social Robotics Lab), Frederick Shic (Seattle's Children Research Institute), Marynel Vázquez (Yale Interactive Machines Lab), and Tesca Fitzgerald (Yale Inquisitive Robotics Lab)

Thesis: *Building Intelligent Robots for Social Regulation Therapy* · PDF · Slide Deck

Of the five robot deployments described in my Ph.D. thesis, my work has directly engaged **284 families**, with individuals ranging **from 4 to 104 years old**. Collectively, my studies produced **12,984 hours** of uninterrupted, fully autonomous robot operation in real-world settings. My robots delivered more than **3,000 sessions** total with users, resulting in **950 hours** of active therapy time, and yielding over **84 terabytes** of multimodal data. All user studies submitted to ACM, IEEE, or joint international venues have been recognized as finalists or recipients of Best Paper Awards.

August 2022 – May 2023 • **M.Sc. in Computer Science** · Yale Social Robotics Lab · Yale University

Advisors: Brian Scassellati, Aaron Dollar (Yale GRAB Lab), and Marynel Vázquez

Thesis*: Developing an Awareness of Social Contingency for Social Robot Interventions*

August 2020 – May 2021 • **M.Sc. in Computer Science** *(en-route)* · Brain Function Lab · Yale University

Advisors: Brian Scassellati and Joy Hirsch (Brain Function Lab)

Thesis*: Discovering the Neural Mechanisms of Dyadic Social Communication using HRI*

August 2019 – May 2020 • **M.Phil. in Computer Science** *(en-route)* · Yale University

Advisor: Brian Scassellati and Marynel Vázquez

Thesis: *Cognitive Appraisal Interventions for Buffering the Emotional Effects of Isolation*

September 2017 – May 2018 • **M.Sc. in Computer Science** · Long Island University

Advisors: Mohammed Ghriga, Christopher League and Ping-Tsai Chung

Theses*: An Adaptive & Integrative Knowledge Base Expert Suite for the Screening of Intellectual Disabilities*; *The Relationship Between Handwriting & Reading in Autism*

• **B.Sc. Honors in Computer Science** · Long Island University

Experience

August 2022 – *current* • **Executive Director** · The MIA Foundation · miaoutreach.com
Overseeing the administration, programs, and strategic plan for The MIA Foundation, a non-profit committed to producing resources, research, and solutions for individuals with special needs and their families. The foundation offers annual scholarships to support adults with disabilities to pursue academic goals and talents.

June 2021 – May 2022 • **Research Fellow** · Office of Academic Affairs · Yale University
Co-authored with Joel Silverman (Director) the *Handbook for College* Deans which details the responsibilities, expectations, and common administrative procedures of an effective Yale College dean. The handbook is currently used internally by the 14 Yale College residential deans and the Yale Office of Academic Affairs.

June 2020 – January 2022 • **Visiting Lecturer** · Vaughn College of Aeronautics and Technology
Designed and taught courses in robotics and computer programming for the Science & Technology Entry Program (STEP)

Dec. 2018 – August 2019 • **Assistant Dean for Research & Curriculum Development** · Long Island University School of Business, Public Administration, and Information Science
MSRE/MS in Urban Development at Brooklyn School of Business, Public Administration, & Information Sciences · Designed the curriculum for the first graduate real-estate and urban development program across Brooklyn and Long Island

May 2018 – August 2019 • **Adjunct Professor of Computer Science** · Long Island University
Designed and taught courses in creative computing, programming, and AI

Board Member of LIU Brooklyn & U.S. Department of Education Early College Initiative (ECI)
Advised on program strategy and curriculum for expanding early college access to underrepresented high school students.

June 2016 – July 2019 • **Software Developer & Programming Lead** · Legal Tech & Information Governance Division · Consolidated Edison Company of New York

Compliance Tracking Systems
Development lead for the RSA Archer GRC Solution, Data Manager, and feed parser systems for

cradle-to-grave tracking of change management, operational risk, and company-wide compliance

Governance, Risk, and Compliance Solution
Advising on and consolidating workflows of compliance procedures and functional requirements for 64+ departments on the regulatory entities of the industry

Data Management Tools
Engineered intelligent web-scrapers and cross-file translators that expedited data population efforts by 85%

Software Risk Prediction
Principal researcher for a software risk prediction method for enterprise management applications based on security metrics and the case-studies of various project management approaches (Agile, Rational Unified Process, PRINCE2, ISO/1EC15504's SPICE and Extreme Project Management) · Advisor: Dr. Anandi Singh, Ph.D.

July 2017 – July 2019 • **Software Developer & Administrator** · Business Ethics & Compliance · Consolidated Edison Company of New York

Business Conduct Systems
Responsible for the configuration, and reliable operation of standards of business (SBC) conduct training systems and the Conflict-Of-Interest tracking system

Process Automation and Testing
Engineered software robots for process automation and software testing, sentiment analysis and opinion mining plugins for non-programmer's use through the MS Office Suite, and text-identification tools for training assessments

Teaching

Spring 2025, Spring 2024 • AI For Future Presidents, section instructor · Yale University · CPSC 170
Designed and taught Yale's first open-access AI literacy course (no prerequisites, open to all majors and degree program), attracting one of the largest enrollments in Computer Science at Yale. Course design and pedagogy published in *AAAI* proceedings [C9].

Fall 2023 • Intelligent Robotics, fellow with Brian Scassellati · Yale University · CPSC 472 (undergraduate)/572 (graduate)

Spring 2023 • Artificial Intelligence, fellow with Tesca Fitzgerald · Yale University · CPSC 370/570

Summer 2023 • Social Robotics, co-instructed with Dr. Michael Faison · Yale College · yspa.yale.edu

Spring 2021 • Introduction to Human-Computer Interaction, teaching fellow with Marynel Vázquez · Yale University · CPSC 484/584

Fall 2020 • Algorithmic and Heuristic Composition, teaching fellow with Scott Petersen · Yale University · CPSC 431/531

Fall 2020	•	**Computational Vision & Biological Perception**, teaching fellow with Dr. Steven Zucker · Yale University · CPSC 475/575
Fall 2020	•	**Principles of Programming for Robotics**, lead course instructor · Vaughn College of Aeronautics and Technology · STEP Program
Summer 2020	•	**Advanced Robotics**, instructor · Vaughn College · STEP Program
Summer 2020	•	**Advanced Robotics Laboratory**, instructor · Vaughn College · STEP Program
Spring 2019	•	**Business Information Systems**, instructor · LIU · BUS 110
Spring 2019	•	**Programming in C++ for Early Scholars**, instructor · LIU · CS 102 ECI
Spring 2019	•	**Advanced Topics in Programming**, instructor · LIU · CS 117
Fall 2018	•	**Advanced Programming in C++**, instructor · LIU · CS 102
Fall 2018	•	**Computer Science for Early Scholars**, instructor · LIU · CS 101 ECI
Fall 2018	•	**Fundamentals of Computer Science**, instructor · LIU · CS 101
Summer 2018, Summer 2019	•	**Summer Honors Institute Coding Academy**, lead course instructor · LIU

Awards and Grants

2025	•	**Best Paper Award · KROS Interdisciplinary Award Finalist · Best Student Paper Award Finalist · IEEE RO-MAN Conference** [C11] From Fidgeting to Focused: Developing Robot-Enhanced Social-Emotional Therapy (RESET) for School De-Escalation Rooms.
2025	•	**Rising Stars EECS · MIT and Boston University Workshop** Since its launch at MIT in 2012, the program has become one of the most competitive and influential career development events in the field. This year, 327 applicants applied and 70 were selected (**~21%** acceptance) · October 29 – 31, 2025.
2025	•	**Best Paper Award for Theory & Methods · ACM/IEEE HRI Conference** [C10] Gaze Behavior During a Long-Term, In-Home, Social Robot Intervention for Children with ASD.
2022	•	**Best Paper Honorable Mention · ACM/IEEE HRI Conference** [C4] A Social Robot for Improving Interruptions Tolerance and Employability in Adults with ASD.
2022, 2021	•	**Anita Borg Institute Grace Hopper Celebration Scholarship** The Grace Hopper Celebration is the world's largest gathering of women technologists. It is produced by AnitaB.org and presented in partnership with ACM · Virtual · May 26 –30, 2021; Orlando, Florida, USA · Sept. 29 – Oct. 2, 2020. https://ghc.anitab.org/
2021	•	**Best Paper Honorable Mention · ACM/IEEE HRI Conference** [C3] Challenges deploying robots during a pandemic: An effort to fight social isolation among children

2021 • **Distinguished Undergraduate Teaching** · Yale University
The Yale Prize Teaching Fellowships recognize outstanding performance and promise as a teacher. "They are considered among the most important honors that Yale bestows upon graduate students."
https://gsas.yale.edu/academic-requirements/teaching-fellows-requirements/prize-teaching-fellows

2021, 2020 • **ACM-WP Computing Research Association Conference Grant**
CRA-WP annual conference aims to engage and increase the participation of individuals from additional underrepresented groups in the graduate computing research community · Virtual · April 14 - 20, 2021; New Orleans, Louisiana, USA · April 14 - 20, 2020.
https://women.acm.org/scholarships/

2020 - 2025 • **National Science Foundation Graduate Research Fellowship**
The NSF GRFP is a prestigious grant awarded to approximately **< 10%** of student applicants pursuing research-based graduate degrees. Award amount: $46,000 x 3 years. Proposal*: Discovering the neural mechanisms of dyadic social interaction using human-robot interaction*
https://www.nsfgrfp.org/

2020 - 2025 • **National Academies of Sciences, Engineering, and Medicine's Ford Foundation Predoctoral Fellowship**
The Ford Fellowship is a competitive grant awarded to **< 5%** of Ph.D. or Sc.D. students applicants by the National Academics of Science, Engineering, and Medicine. Award Amount: $27,000 x 3 years. Proposal*: Discovering the neural mechanisms of dyadic social interaction using human-robot interaction*
https://sites.nationalacademies.org/PGA/FordFellowships/PGA_047958

2020 • **Microsoft Research Frontiers in Machine Learning Conference Grant**
This four-day conference brought together academics, researchers, and Ph.D. Students. The program was rich, engaging, and filled with current themes and research outcomes spanning theory and practice in Machine Learning · Virtual · July 20 - 23, 2020.
https://www.microsoft.com/en-us/research/event/frontiers-in-machine-learning-2020/

2018 • **Faculty Award · Long Island University**
Presented by the LIU Brooklyn Departments of Business, Public Administration, & Information Science faculty board for research

2018 • **Undergraduate Excellence Award · Long Island University**
Awarded to the top undergraduate student in the LIU Brooklyn Departments of Business, Public Administration, & Information Science

2018 • **Best Paper Award · IEEE Regional Conference**
[C2] An adaptive & integrative knowledge base expert suit for the screening of intellectual disabilities

Publications

Journal Publications

J3 Sarkar, C., **Ramnauth, R.**, Candon, K., Lew, A., & Vázquez, M. (2025). From Tool to Teammate: Balancing Task-Oriented & Social Talk During Human-Robot Collaboration. In submission to *IEEE Robotics and Automation Letters (RAL).*

J2 Matheus, K., **Ramnauth, R.**, Scassellati, B., & Salomons, N. (2025). Long-Term Interactions with Social Robots: Trends, Insights, and Recommendations. *ACM Transactions on Human-Robot Interaction*, *14*(3), 1-42.

J1 Georgiou, N. C., **Ramnauth, R.**, Adeniran, E., Lee, M., Selin, L., & Scassellati, B. (2023). Is Someone There or Is That The TV? Detecting Social Presence Using Sound. *ACM Transactions on Human-Robot Interaction (THRI), 12(4), 1-33.*

Conference Publications

C11 **Ramnauth, R.**, Brščic, D., & Scassellati, B. (2025, August) From Fidgeting to Focused: Developing Robot-Enhanced Social-Emotional Therapy (RESET) for School De-Escalation Rooms. In the *34th IEEE International Conference on Robot and Human Interactive Communication (RO-MAN '25).*

C10 **Ramnauth, R.,** Shic, F., & Scassellati, B. (2025). Gaze Behavior During a Long-Term, In-Home, Social Robot Intervention for Children with ASD. In the *2025 20th IEEE/ACM International Conference on Human-Robot Interaction (HRI).*

C9 Candon, K., Georgiou, C. N., **Ramnauth, R.,** Cheung, J., Finke, E. C., & Scassellati, B. (2025). Artificial Intelligence for Future Presidents: Teaching AI Literacy to Everyone. In *Proceedings of the AAAI Conference on Artificial Intelligence* (Vol. 39, No. 28, pp. 28988-28995).

C8 **Ramnauth, R.**, Brščić, D., & Scassellati, B. (2025, June). A Robot-Assisted Approach to Small Talk Training for Adults with ASD. In the *21st Robotics: Science and Systems Conference (RSS '25)*.

C7 **Ramnauth, R.**, Brščić, D., & Scassellati, B. (2024). A Grounded Observer Framework for Establishing Guardrails for Foundation Models in Socially Sensitive Domains. *arXiv preprint arXiv:2412.18639*. In submission to the *2025 IEEE/ACM International Conference on Human-Robot Interaction (HRI).*

C6 **Ramnauth, R.**, Brščić, D., & Scassellati, B. (2024). More than Chit-Chat: Developing Robots for Small-Talk Interactions. *arXiv preprint arXiv:2412.18023*. In submission the *2025 IEEE/ACM International Conference on Human-Robot Interaction (HRI).*

C5 **Ramnauth, R.**, Brščić, D., & Scassellati, B. (2024, August). Should I Help?: A Skill-Based Framework for Deciding Socially Appropriate Assistance in Human-Robot Interactions. In *2024 33rd IEEE International Conference on Robot and Human Interactive Communication (ROMAN)* (pp. 2051-2058).

C4 **Ramnauth, R.**, Adéníran, E., Adamson, T., Lewkowicz, M. A., Giridharan, R., Reiner, C., & Scassellati, B. (2022, March). A Social Robot for Improving Interruptions Tolerance and Employability in Adults with ASD. *In Proceedings of the 2022 ACM/IEEE International Conference on Human-Robot Interaction* (pp. 4-13).

C3 Tsoi, N., Connolly, J., Adéníran, E., Hansen, A., Pineda, K. T., Adamson, T., Thompson, S., **Ramnauth, R.**, Vázquez, M., & Scassellati, B. (2021, March). Challenges deploying robots during a pandemic: An effort to fight social isolation among children. *In Proceedings of the 2021 ACM/IEEE International Conference on Human-Robot Interaction* (pp. 234-242).

C2 **Ramnauth, R.,** Chung, P., & Ghriga, M. (2018, April). An adaptive & integrative knowledge base expert suite for the screening of intellectual disabilities. In *Proceedings of the 2018 ACM/IEEE Regional 1 Conference* (*IEEE R1 '18*). Association for Computing Machinery, New York, NY, USA.

C1 **Ramnauth, R.,** Chung, P., & Ghriga, M. (2018, April). The relationship between handwriting & reading in autism. In *Proceedings of the 2018 ACM/IEEE Regional 1 Conference* (*IEEE R1 '18*). Association for Computing Machinery, New York, NY, USA.

Selected Presentations

- October 2025 • Research Presentation · Rising Stars EECS at Massachusetts Institute of Technology and Boston University · Building Intelligent Robots for Social Regulation Therapy
- August 2025 • Research Presentation · International Conference on Robot and Human Interactive Communication (ROMAN '25) · From Fidgeting to Focused: Developing Robots for School De-Escalation Rooms
- June 2025 • Research Presentation · Robotics: Science and Systems Conference (RSS '25) · A Robot-Assisted Approach to Small Talk Training for Adults with ASD
- March 2025 • Research Presentation · ACM/IEEE International Conference on Human-Robot Interaction (HRI '25) · Gaze Behavior During a Long-Term, In-Home, Social Robot Intervention for Children with ASD
- August 2024 • Research Presentation · International Conference on Robot and Human Interactive Communication (ROMAN '24) · *Should I Help?: A Skill-Based Framework for Deciding Socially Appropriate Assistance in Human-Robot Interactions*
- March 2024 • Keynote · Department of Education Tech Summit · *Social AI as Tools for Understanding People* · https://www.nycschoolstechsummit.com/2024/speaker/1117931/rebecca-ramnauth
- November 2023, February 2024, December 2024, November 2025 • Guest Lecture · Science of Modern Technology and Public Policy · *Developing Intelligent Robots for Social Good* · Courses APHY 050, APHY 080, ENAS 050, ENAS 080, ENAS 100, EPS 105, EVST 100, PHYS 050, PHYS 080, PHYS 100, led by Dan Prober, Director of Undergraduate Studies, Yale University
- October 2022 • Research Presentation · Ford Foundation Conference · *Social Contingency Awareness in In-Home Technologies*
- October 2022 • Conference Talk · SACNAS National Diversity in STEM Conference · *Women in Computer Science Education*
- October 2022 • Invited Lecture · Cal Poly Pomona · *Creating Equitable Futures Using Social Robotics*
- October 2022 • Invited Lecture · U.C. Berkeley · *Decoding Human Behavior Using Social Robotics*
- March 2022 • Research Presentation · ACM/IEEE International Conference on Human-Robot Interaction (HRI '22) · *A Social Robot for Improving Interruptions Tolerance and Employability in Adults with ASD*
- October 2021 • Research Presentation · Ford Foundation Conference · *Designing Social Robots for Autism Therapy*
- July 2021 • Guest Lecture · Yale Young Global Scholars Research Showcase II · *Audio Scene Analysis in Social Robots for Real-World Interactions*

June 2021	•	Guest Lecture · Yale Young Global Scholars Research Showcase I · *Social Robotics for Autism*
April 2021	•	Conference Talk · ACM-WP Computing Research Association Conference · *Robots for Good: The Potential Role of Socially Assistive Robots During COVID-19*
March 2021	•	Research Presentation · ACM/IEEE International Conference on Human-Robot Interaction (HRI '21) · *Challenges Deploying Robots During a Pandemic: An Effort to Fight Social Isolation Among Children*
February 2021	•	Invited Lecture · Nicholas Christakis Human Nature Lab · *Investigating Group Dynamics Using Social Robots for Children with Autism*
October 2020	•	Research Presentation · Ford Foundation Conference · *Social Robotics for Improving Interruptions Tolerance and Employability in Adults with Autism*
October 2020	•	Research Presentation · Ford Foundation Conference · *Being Sensitive to the Social Context Means Knowing When to Interrupt*
May 2018	•	Invited Lecture to Staff · Public School 7 / NYC District 19 Public Schools · *Audio-Visual Simulation for Children with Hearing & Learning Difficulties through Music*
May 2018	•	IEEE Systems, Man, and Cybernetics Society Student Branch · *Introduction to Big Data Clustering using Voronoi Diagrams and the k-means Algorithm*
May 2018	•	Research Presentation · Long Island University IEEE Branch · *Analysis & Demonstration of Common Object Request Broker Architecture*
March 2018	•	Research Presentation · IEEE Region 1 Conference · *The Relationship Between Handwriting & Reading in Autism*
March 2018	•	Research Presentation · IEEE Region 1 Conference · *An Adaptive & Integrative Knowledge Base Expert Suite for the Screening of Intellectual Disabilities*
March 2018	•	Invited Lecture · New York Institute of Technology IEEE Computer Society Student Branch · *Relating Introspective Abilities to Enhance Special-Needs Literacy Education*
December 2017	•	Invited Lecture · IEEE Computer Society Student Branch · *Source Code Vulnerabilities & Improvements to the Software Development Life Cycle*
December 2017	•	Thesis Lecture · IEEE Systems, Man, and Cybernetics Society Student Branch · *Methods for Improving Domain-Specific Knowledge Bases for Expert Systems*
July 2015	•	Guest Lecture · Microsoft NYC · *Data Searching & Sorting Algorithms for Social Science*

Professional Service

Program Committee Member

2018 • International Conference on Dependable Systems and Their Applications (IEEE)
2018 • International Conference on Trustworthy Systems and Their Applications (IEEE)
2018 • International Conference on Dependable Computing and Internet of Things (IEEE)
2018 • International Conference on Creative Lifestyle Computing (IEEE)
International Symposium on Art-Science-Architecture

Journal Referee

2019 – *current* • Journal of Autism and Developmental Disorders (JADD)
2019 – *current* • Autism
2021 – *current* • Frontiers Robotics and AI
2019 – 2021 • International Journal of Child-Computer Interaction (IJCCI)
2019 – 2021 • IEEE Transactions on Cognitive and Developmental Systems (IEEE-TCDS)
2019 – 2021 • SAGE Journal of Autism (SAGE-JoA)
2018 – 2021 International Journal of Creative Computing (IJCrC)

Conference Referee

2023 – *current* • ACM/IEEE World Haptics Conference (WHC)
2020 – *current* • IEEE Internal Symposium on Robot and Human Interactive Communication (RO-MAN)
2019 – *current* • ACM/IEEE Conference on Human Robot Interaction (HRI)

Member

2021 – *current* • Institute of Electrical and Electronics Engineers (IEEE)
2019 – *current* • National Academies of Science (NAS)
2018 – *current* • Association for Computing Machinery (ACM)
2018 – 2020 • ACM Computer Science Teachers Association
2017 – 2019 • Institute of Physics (IOP) Computational Physics Group
2017 – 2019 • IEEE Computer Society
2017 – 2019 • IEEE Systems, Man, and Cybernetics Society

Volunteer

2023 – 2025 • Organizer · Social Robotics Research Internship Program · Yale University
2023 – 2025 • Coordinator · High School Pathways to Science · Yale University
2022 – 2024 • Steering Committee Member · Future Leaders of Yale · Yale University
2022 – 2024 • Spokesperson · *For Humanity Illuminated* international campaign · Yale University
2022 – 2024 • Fellow · Office of Development · Yale University
2021 – 2022 • Fellow · Office of Academic Affairs · Yale University
2020 – 2022 • Organizer · Computer Science Colloquium · NASEM Ford Foundation
2020 – 2022 • Mentor · Health Career Opportunity Programs · University of Connecticut
2020 – 2021 • Mentor · STEM High School Academy · Vaughn College
2014 – 2019 • Mentor · Engineering Science Programs · Brooklyn Technical High School
2015 – 2019 • Contributor · Stanford Scholars Initiative
2015 – 2017 • Instructor · Girls Who Code · Brooklyn Technical High School
2014 – 2017 • Coordinator · New York State Division · Special Olympics
2014 – 2017 • Mentor · Mechanical Engineering and Programming · FIRST Robotics
2015 – 2017 • Counselor · Special Educational Needs Guidance Dept. · Brooklyn Technical High School

Mentoring

2024 • Gina Quan · Thesis on *Developing Socially Assistive Searching Robots for Dementia Care* (M.Sc., Biomedical Engineering, Yale ’25)

2024 • Nimran Shergill · now Ph.D. candidate in Mechanical Engineering at U.C. Berkeley and NSF GRFP Fellow · Development of Ommie, deep-breathing robot (V.2; undergraduate project for B.Sc., Mechanical Engineering, Yale ‘24)

2024 • Pev Vail · now Engineer at ASML · Development of Ommie sensing for real-world deployments (V.2.1-3; undergraduate project for B.Sc., Mechanical Engineering, Yale ’25)

2024 • Nita Qiu · now U.S. Air Force cadet · Undergraduate thesis on *Smooth Operators: Defining Continuity in Casual Conversations with Social Robots* (B.A.*,* Computer Science and Psychology, Yale ‘24)

2023 • Adérónkẹ́ Adéjàre · now Full-Stack Mobile Engineer at Chubb · B.A. in Computing and the Arts (Theater, Dance, and Performance Studies, Yale ‘24)

2023 • Rodrigo Chousal Cantu · now Software Engineer, Ekho and Apple · Undergraduate thesis on *Social contingency detection in a group human-robot interaction setting* (B.Sc.*,* Computer Science & Architecture, Yale ‘23)

2022 • Kaitlynn Pineda · now Ph.D. candidate at John Hopkins, Intuitive Computing Laboratory and Computational Interaction & Robotics Laboratory · undergraduate research assistant (B.Sc., Computer Science, Yale ’22) and co-author [C3]

2022 • Joe Connolly · now Senior Software Engineer at NVIDIA · undergraduate research assistant (B.Sc., Computer Science, Yale ’22) and co-author [C3]

2021 • Michael Lee · now Research Engineer at Zeta Associates · undergraduate research assistant (B.Sc., Engineering and Applied Physics, Yale ‘24) and co-author [J1]

2021 • Lila Selin · now Software Engineer at Virtru · undergraduate research assistant (B.Sc., Computer Science, Yale ‘23) and co-author [J1]

2021 • Caroline Reiner · now Founding Software Engineer and Chief of Staff of Abstractive Health · undergraduate research assistant (B.A., Computer Science and Psychology, Yale ’23) and co-author [C4]

2021 • Rohit Giridharan · now M.Sc., Civil Engineering and MBA at MIT Sloan · undergraduate research assistant (B.Sc., Electrical Engineering and Computer Science, Yale ’22) and co-author [C4]

2021 • Michal A. Lewkowicz · now Ph.D. student at MIT CSAIL · undergraduate research assistant (B.Sc., Computer Science and Applied Mathematics, Yale ’25) and co-author [C4]

2021 • Skylar Regan · now Full-Stack Engineer at Stealth · Thesis on *Tracking Attentional Gaze of Children with ASD in a Long-Term, In-Home Social Robotics Study* (B.Sc., Computer Science and Psychology, Yale ’21)

- 2021 · Maciej Zielonka · now Software Engineer at Meta · Thesis on *To What Extent Does Speech Behavior Signal Social Contingency?* (B.Sc., Computer Science and Psychology, Yale ’21)
- 2020 · Amanda Hansen · now Firmware Engineer at Apple · undergraduate research assistant (B.Sc., Electrical Engineering and Computer Science, Yale ’20) and co-author [C3]
- 2020 · Louisa Nordstrom · Thesis on *The Effect of Differential Spatiotemporal Contexts on the Perceptual Saliency of Animacy, Emotion, and Intentionality* (B.Sc., Cognitive Science, Yale ’20)
- 2019 · Wooje Chang · Thesis on *Neural Mechanisms of Human-to-Chatbot Communication to Investigate the Applicability of the Interactive Brain Hypothesis to Artificial Stimuli* (B.Sc., Cognitive Science and Mechanical Engineering, Yale ’20)
- 2019 · Jessica McCurdy · now Director of Community Growth at Centre for Effective Altruism · Thesis on *Impact of Human-Robot Synchronization on Perceptions of Fair, Strategic, and Altruistic Behavior* (B.Sc., Computer Science and Psychology, Yale ’21)

Related Press

- April 17, 2024 · *Using AI and Robots To Build Social Connections For All Students* · Tech & Learning Magazine (Front Cover) · https://www.techlearning.com/news/using-ai-and-robots-to-build-social-connections-for-all-students
- March 29, 2022 · *How Robots Can Assist Students with Disabilities* · New York Times · https://www.nytimes.com/2022/03/29/technology/ai-robots-students-disabilities.html
- Nov. 2, 2021 · *AI, Virtual Reality, and Robots Advancing Autism Diagnosis and Therapy* · IEEE Pulse and IEEE Engineering in Medicine and Biology Society · https://www.embs.org/pulse/articles/ai-virtual-reality-and-robots-advancing-autism-diagnosis-and-therapy/
- Sept. 23, 2020 · Yale researchers develop AI technology for adults with autism · Yale Daily News · https://yaledailynews.com/blog/2020/09/23/yale-researchers-develop-ai-technology-for-adults-with-autism/
- Sept. 11, 2020 · *Tech to Help People with ASD in the Workplace Gets NSF Funding* · Yale SEAS · https://seas.yale.edu/news-events/news/tech-help-people-asd-workplace-gets-nsf-funding
- June 9, 2020 · *Fighting Social Isolation with Robots* · Yale SEAS · https://seas.yale.edu/news-events/news/fighting-social-isolation-robots
- March 31, 2020 · *Three Scazlab members to receive coveted 2020 NSF GRFP award* · Yale Social Robotics Lab · https://scazlab.yale.edu/news/three-scazlab-members-recieve-coveted-2020-nsf-grfp-award
- March 31, 2020 · *Rebecca Ramnauth (GS) wins the prestigious 2020 NSF Graduate Research Fellowship* · Yale University Computer Science · https://cpsc.yale.edu/news/valerie-chen-my20-and-rebecca-ramnauth-gs-win-prestigious-2020-nsf-graduate-research-fellowship
- Sept. 1, 2019 · *Treating childhood autism one robot at a time* · Yale Medicine Magazine · https://medicine.yale.edu/news/yale-medicine-magazine/article/treating-childhood-autism-one-robot-at-a-time/