Anya Bouzida Computer Science and Engineering University of California, San Diego, United States

Website: https://www.anyabouzida.com/ Email: abouzida@ucsd.edu

Research Interests	My research interests lie in the fields of HCI, HRI, and Human-Centered AI. The goal of my research is to define the needs for, and develop adaptive systems alongside the people who will be using them. The scope of my research pertains to individuals with cognitive impairments, notably people with mild cognitive impairment and dementia.	
Education	University of California, San Diego Ph.D., Computer Science and Engineering	June 2026 (Expected)
	Advisor: Dr. Laurel D. Riek	(Expected)
	University of California, San Diego; Summa Cum Laude	June 2021
	B.S., Cognitive Science specializing in Machine Learning & Neural Computation	
	Minor, Computer Science and Engineering MiraCosta Community College	May 2019
	A.A., Liberal Arts – Math and Sciences	111Uy 2019
Professional	Programming Languages: Python, Java, C, C++	
Competencies	Python Libraries and DL Frameworks: TensorFlow, PyTorch, NumPy, Pandas, Scikit-learn,	
	Matplotlib, seaborn	
	Machine Learning Domains: Unsupervised Learning, Supervised Learning, Reinforcement Learning	
	Mathematics of Machine Learning: Vector Calculus, Linear Algebra, Probability, Statistics Environments: Linux & UNIX, Git/GitHub Version Control Spoken Languages: English, French	
Publications	[3] Bouzida, A.* , Kubota, A.*, Cruz-Sandoval D., and Riek, L. D. (2024). CARMEN: A Cognitively Assistive Robot for Personalized Neurorehabilitation at Home. <i>ACM/IEEE Int'l Conference on Human Robot Interaction (HRI)</i> . [Acceptance rate: 24%]	
	[2] Bouzida, A. , Murakami, M., and Riek, L. D. (2024). How People with Mild Cognitive Impairment Reimagine Technology: Addressing Frustration to Promote Cognitive Accessibility. In <i>The Gerontologist (In submission)</i> .	
	[1] Guan, C., Bouzida, A. , Oncy-Avila, R., Moharana, S., and Riek, L.D. "Taking an (Embodied) Cue From Community Health: Designing Dementia Caregiver Support Technology to Advance Health Equity". <i>Proceedings of the 2021 CHI</i> <i>Conference on Human Factors in Computing Systems, CHI '21</i> . pp. 1-24. [Acceptance rate: 26.3%]	
Research	Graduate Research Assistant	
Experience	Personalizing a Robot Delivered Behavioral Health Intervention	2021-Present
	• System development of a multi-robot system to administer a cognitive behavioral intervention	

 Creating new algorithms to promote long term engagement with a robot delivered cognitive behavioral intervention Data analysis of longitudinal interaction and preference data <i>Participatory Design with people with mild cognitive impairment</i> Conducted participatory design research with older adults with mild cognitive impairment to critically understand their frustrations and needs from technology Led interviews, co-design sessions, and conducted thorough thematic analysis Generated design guidelines to dramatically improve technology design for this population 	2021-2022
 Undergraduate Research Assistant Participatory Design in Dementia Care Contexts Conducted qualitative research within the dementia care community to study how robotics technology should be designed to best assist people with dementia and their caregivers Engaged stakeholders in co-design sessions where a design probe (SpoonBot) was evaluated for its potential ability to aid people with late stage dementia during mealtimes	2019-2021
President's Permanent Honor Roll, MiraCosta College	Spring 2019
Soyon Kim (B.S. Mathematics - Computer Science) Megna Anand (M.S. Electrical and Computer Engineering)	2023-Present 2023-Present 2022-Present 2022-Present
 President (2023-Present), Treasurer (2022-2023), Communications (2022-2023) Management of university student events as well as community outreach events Instructional Assistant - Introduction to Machine Learning II Guided five student final project groups of 5-6 people each Led group meetings where we solidified the team's research topic, methods, and goals; supported students understanding of course material necessary to have a successful project Held weekly discussions and office hours, reviewed lecture material Graded assignments and provided feedback and optimizations for final projects Vice President, Tau Sigma Transfer Honors Society 	2021-Present Spring 2021 2020-2021
	 cognitive behavioral intervention Data analysis of longitudinal interaction and preference data <i>Participatory Design with people with mild cognitive impairment</i> Conducted participatory design research with older adults with mild cognitive impairment to critically understand their frustrations and needs from technology Led interviews, co-design sessions, and conducted thorough thematic analysis Generated design guidelines to dramatically improve technology design for this population Undergraduate Research Assistant <i>Participatory Design in Dementia Care Contexts</i> Conducted qualitative research within the dementia care community to study how robotics technology should be designed to best assist people with dementia and their caregivers Engaged stakeholders in co-design sessions where a design probe (SpoonBot) was evaluated for its potential ability to aid people with late stage dementia during mealtimes NSF GRFP Fellow CRA-WP Grad Cohort for IDEALS Member Inclusion Fellow, Robotics: Science and Systems CRA-WP Grad Cohort for IDEALS Member Provost Honors, UCSD Fall 2019, Winter 2020, Spring 2020, Fall 2021 President's List, MiraCosta College Winter 2017, Spring 2018 Karisma Kumar (B.S. Cognitive Science) Megna Anand (M.S. Electrical and Computer Science) Megna Anand (M.S. Electrical and Computer Science) Megna Anand (M.S. Electrical and Computer Science) Management of university student events as well as community outreach events Instructional Assistant - Introduction to Machine Learning II Guided five student final project groups of 5-6 people each Led group meetings where we solidified the team's research topic, methods, and goals; supported students understanding of course material necessary to have a successful project Held weekly discussions and office hours, reviewed lecture ma

Academic Service Reviewer. HRI (2023-2024)