

AREAS OF EXPERTISE

- Cognitive and social psychology of human-robot interaction (HRI)
- Laboratory and field experiments that examine how people interact with and through robotic systems

EXPERIENCE

- 3/16 – current **HOKU LABS** Founder and Human-Robot Interaction Specialist *Santa Cruz, CA*
- Translating academic research into product and service design recommendations
 - Designing user studies and supporting design teams in developing their HRI points of view
 - Connecting robotic solutions to real world problems, markets, and users' needs
- 11/21 – current **ROBUST.AI** Vice President of Design and HRI *San Carlos, CA*
- Leading the human-centered design of robotic solutions for warehouse and manufacturing logistics
 - Collaborating with product team on business partnership development and GTM strategy
 - Developing product and design directions, including need finding and customer development
- 6/16 – 6/22 **UNIVERSITY OF CALIFORNIA, SANTA CRUZ** Associate Professor with Tenure *Santa Cruz, CA*
- Founded and led an empirical research lab that explored Human-Robot Interaction
 - Mentored and taught graduate and undergraduate students through coursework and research
- 7/13 – 2/16 **GOOGLE X** Senior User Experience Researcher *Mountain View, CA*
- Conducted social science research to inform and drive the design of special projects within X
 - Collaborated with engineering and product teams to define user experience goals and metrics
- 1/09 – 7/13 **WILLOW GARAGE** Human-Robot Interaction Research Scientist and Manager *Menlo Park, CA*
- Led human-robot interaction research and design, publishing results of field studies, lab experiments, interviews, and surveys of how people interact with personal robots
 - Informed the design of personal robotics platforms, mobile remote presence systems, user interfaces for teleoperation, and interactions with robots that have varying degrees of autonomy
- 8/08 – 1/09 **NOKIA RESEARCH CENTER** Human-Computer Interaction Member of Research Staff *Palo Alto, CA*
- Collaborated on design exercises for the future of mobile computing user interfaces
- 6/05 – 7/08 **PALO ALTO RESEARCH CENTER, USER INTERFACE RESEARCH** Research Assistant *Palo Alto, CA*
- Conducted task analysis of open-ended foraging and sensemaking by intelligence analysts
- 9/03 – 6/08 **STANFORD UNIVERSITY, CHIME LAB** Research Assistant *Stanford, CA*
- Ran experiments on in-car user interfaces, mobile communication, spatialized audio, and HRI
 - Conducted interviews and archival research to trace the philosophical history of ubiquitous computing

EDUCATION

STANFORD UNIVERSITY

PhD Communication (2008)

PhD minor Psychology, MA Communication

UNIVERSITY OF CALIFORNIA, BERKELEY

BA Cognitive Science, BA Psychology (2003)

Haas Business for Arts, Science, & Engineering (2002)

AWARDS

- Technical University of Munich (TUM) Institute of Advanced Studies (IAS) Fellowship, 2019-2022
- IEEE Robotics and Automation Society, Early Career Award, 2015
- World Economic Forum Young Global Leader (YGL), 2013
- Technology Review's 35 Innovators Under 35 (TR35), 2012
- Fast Company's 100 Most Creative People in Business, 2012