

Andrea Cuadra

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Education

† *Indicates expected*

2018–2022 † Ph.D., Information Science, Cornell University

Advisors: Deborah Estrin and Nicola Dell

Research Focus: Intelligent Voice Assistants for Older Adults in The Context of Home Health

2018–2020 M.Sc., Information Science, Cornell University

2015–2017 M.Sc., Engineering: Product Design, Stanford University

Advisors: Bill Burnett and David Kelley

Design Garage Project: *Increasing Child-Parent Quality Time*: identified specific user needs, and designed solutions as part of this year-long design project. Our final deliverable was a published children’s book.

2009–2013 B.Sc., Engineering: Interaction Design, Olin College of Engineering

Advisor: Amon Millner

Senior Capstone Project: *Enhancing the Autodesk 123D Experience for Secondary School Students*: delivered bite-size pieces of curriculum to introduce 3D modeling software in various academic settings.

Grand Challenge Scholar Project: *Summer Camp: Motivating Students for Advanced Personalized Learning*: founded a sustainability summer camp for 8–12 year-old kids based on hands-on engineering projects and experiments.

Internships

2019	Google, Search User Experience Research Intern	Mountain View, CA
2018	Google, Chrome User Experience Research Intern	San Francisco, CA
2016	Yahoo, Flurry User Experience Research Intern	Sunnyvale, CA
2012	Hopper, User Experience Research and Design Intern	Cambridge, MA
2012	Hopper, Product Management Intern	Boston, MA

Work Experience

- 2013–2017 Entrepreneur Toy and Game Inventor, Crazy Machine
- 2017–2017 Research Contractor at REDlab, Stanford Graduate School of Education
- 2017–2017 Instructor, Stanford Pre-Collegiate Studies
- 2014–2015 Remote Technical Support, Modkit
- 2013–2014 User Experience Researcher and Designer, Hopper

Teaching Assistant

- 2018 INFO 5345, Developing and Designing Interactive Devices Cornell Tech
- 2018 INFO 5345, Developing and Designing Interactive Devices Cornell Tech
- 2017 From Ideas to Action IDEO U
- 2017 Leading for Creativity IDEO U
- 2017 Executive Education, Design Thinking for Customer Experience INCAE
- 2017 ENGR 280, From Play to Innovation Stanford University
- 2017 ENGR 280, From Play to Innovation Stanford University
- 2017 ME 120, History and Philosophy of Design Stanford University
- 2017 ME 216B, Advanced Product Design: Implementation 1 Stanford University
- 2017 ME 110B, Digital Design Principles and Applications Stanford University
- 2017 ME 110, Design Sketching Stanford University
- 2016 ME 110B, Digital Design Principles and Applications Stanford University
- 2016 ME 110, Design Sketching Stanford University
- 2016 ME 115A, Introduction to Human Values in Design Stanford University
- 2016 ME 101, Visual Thinking Stanford University

Invited Talks

- 2014 TEDx, *Don't Shut Down Your Creativity* Managua, Nicaragua
- 2014 Universidad Autónoma del Occidente, *The Fabrication Behind My Inventions* Cali, Colombia
- 2014 IEEE 33rd Central American and Panama Student Conference, *Entrepreneurship in Digital Fabrication* Managua, Nicaragua

Selected Honors and Awards

- 2019 Digital Life Initiative Doctoral Fellow
- 2013 National Academy of Engineering Grand Challenge Scholar
- 2009 Olin College four-year, full-tuition merit scholarship

Hackathons

- 2016 Yahoo internal, 1st Place
- 2015 NASA SpaceApps Challenge, 1st Place and People's Choice Award
- 2014 Hasbro-A-Thon, 1st Place
- 2013 Hasbro-A-Thon, 2nd Place
- 2013 MIT Education Design-A-Thon, 2nd Place

Publications

Conference Papers

- [1] **Cuadra, A.**, Li, S., Lee, H., Cho, J., & Ju, W. (*Accepted for publication, CSCW 2021*). My Bad! Repairing Intelligent Voice Assistant Errors Improves Interaction.
- [2] **Cuadra, A.**, Lee, H., Cho, J., & Ju, W. (*In-submission*). Look at Me When I Talk to You: A Video Dataset to Enable IVAs to Recognize Errors.
- [3] **Cuadra, A.**, Bankole, O., & Sobolev, M. (*Accepted for publication, Persuasive 2021*). Plan Out Loud with Alexa: Encouraging The Habit of Planning with a Voice App.
- [4] Li, J., **Cuadra, A.**, Mok, B., Kim, J., Reeves, B., Kaye, J., & Ju, W. (2019). Communicating dominance in a nonanthropomorphic robot using locomotion. *Transactions on Human-Robot Interaction (THRI)*, 8(1), 4. DOI: <https://doi.org/10.1145/3310357>

Posters

- [1] Friedman, N., **Cuadra, A.**, Patel R., Azenkot S., Stein J., & Ju, W. (2019). Voice Assistant Strategies and Opportunities for People with Tetraplegia. Presented at ASSETS 2019. Pittsburgh, PA.
- [2] **Cuadra, A.**, Martelaro, N., Jung, M., & Ju, W. (2016). Ella–The Mediator Bot. Presented at CHI 2016 poster session reception. Stanford University, Stanford, CA.

Art Exhibitions and Other Publications

- [1] **Cuadra, A.**, Doshi, S., Stechschulte, L. (2017). Goodnight News. Self-published on Amazon.

[2] **Cuadra, A.** (2016). Personal Statement: 20 1” Metal Cubes. Design Loft. Stanford, CA.

[3] **Cuadra, A.** (2016). Baking Blocks. Materials: Inkjet on paper (24” by 45.5”). Look Closer exhibit by show curator Camille Utterback. Coulter Art Gallery. Stanford, CA.