

RYAN LOUIE

CONTACT INFORMATION	Northwestern University Technology and Social Behavior Program Delta Lab	(949) 562-1620 ryanlouie@u.northwestern.edu youralien.github.io
EDUCATION	Northwestern University , Evanston, IL USA Pursuing Ph.D. in Technology Social Behavior , Computer Science+Communications Research: Computer-Facilitated Opportunistic Interactions for Social Connectedness at Distance Advisor: Haoqi Zhang Olin College of Engineering , Needham, MA USA B.S., Engineering, Robotics, May 2017	
AWARDS & HONORS	Design Research Fellowship, Segal Interdisciplinary Design Research Cluster at Northwestern, Funding support from 2018 - 2019. Honorable Mention, NSF Graduate Research Fellowship, 2017. Olin Merit Scholarship, Half Tuition, Funding support from 2013 - 2017.	
PROFESSIONAL EXPERIENCE	Delta Lab , Northwestern University , Evanston, IL USA <i>PhD Student Researcher</i> Sep 2017 - Now Olin College Crowdsourcing and Machine Learning Lab , Olin College , Needham, MA USA <i>Researched Assistive Tech for the Blind/Visually Impaired</i> Jun - Aug 2017 Babson Summer Venture Program , Boston, MA USA <i>Co-founder of CrossRoad Optics, Inc.</i> Jun - Aug 2017 Uber ATC , Pittsburgh, PA USA <i>Software Engineer Intern</i> May - Aug 2016 Hippometrics , Babson Park, MA USA <i>Data Science Consultant</i> Oct 2015 - Jan 2016 Indico Enterprise AI , Boston, MA USA <i>Machine Learning Research Development Intern</i> Jun - Aug 2015 DuPont Pioneer , Boston, MA USA <i>Data Science and Image Processing Intern</i> May - Aug 2014	
PEER-REVIEWED PUBLICATIONS	R. Louie, J. Werner, A. Sun, K. Garg, D. Gergle, H. Zhang "Cerebro: A Computational Platform for Facilitating Opportunistic Interactions to Connect People Across Distance." In Preparation, UIST 2019. C. Yoon, J. Ryan, W. Derksen, R. Louie, S. Malhi, P. Ruvolo. "Leveraging Augmented Reality to Create Orientation and Mobility Apps for People with Visual Disabilities." In Preparation, ASSETS 2019.	

NON PEER-REVIEWED PUBLICATIONS **R. Louie, N. Rifkin, B. Rohrer. "Method for quantifying crop health using overhead imagery." The IP.com Prior Art Database, DuPont Pioneer, 2015.**

TEACHING
EXPERIENCE

Northwestern University, Evanston, IL USA

- *Project Mentor*, EECS395 Design, Technology, Research Fall 2017 - Now

Olin College of Engineering, Needham, MA USA

- *Teaching Assistant*, ENGR3590 Computational Robotics Spring 2017
- *Teaching Assistant*, ENGR/MTH2199C Data Science Spring 2015
- *Teaching Assistant*, MTH2220 Linearity II Fall 2014
- *Teaching Assistant*, MTH2210 Linearity I Spring 2014