Ryan Louie

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Education

Northwestern University, Evanston, IL   Sep 2017 - Jun 2022 (expected)
Pursuing Ph.D. in Technology Social Behavior
Advisor: Haoqi Zhang
Co-Advisor: Darren Gergle

Olin College of Engineering, Needham, MA
B.S., Engineering, Robotics, May 2017

Professional Experience

Google Brain, People AI Research Mountain View, CA
Research Intern; hosted by Carrie Cai   Jun - Sep 2019

Delta Lab, Northwestern University, Evanston, IL
Graduate Student Researcher   Sep 2017 - Now

Olin College Crowdsourcing and Machine Learning Lab, Needham, MA
Research Assistant; advised by Paul Ruvolo   Jun - Aug 2017

Uber ATC, Pittsburgh, PA
Software Engineer Intern   May - Aug 2016

Indico Enterprise AI, Boston, MA
Machine Learning Research Development Intern   Jun - Aug 2015

DuPont Pioneer, Boston, MA
Data Science Intern   May - Aug 2014

Peer-Reviewed Publications

Ryan Louie, *Andy Coenen, Cheng Zhi Huang, Michael Terry, Carrie J Cai* **"Novice-AI Music Co-Creation via AI-Steering Tools for Deep Generative Models"** *To Appear, CHI 2020.*

Chris Yoon, **Ryan Louie**, *Jeremy Ryan, MinhKhang Vu, Hyegi Bang, William Derksen, Paul Ruvolo.* **"Leveraging Augmented Reality to Create Apps for People with Visual Disabilities: A Case Study in Indoor Navigation"** *ASSETS 2019.* Best Artifact Award.

Ryan Louie, *Jennie Werner, Allison Sun, Kapil Garg, Darren Gergle, Haoqi Zhang* **"Cerebro: Programming Opportunistic Interactions Across People"** *Under Revision, CSCW 2020.*

Awards & Honors

Design Research Fellow, Segal Design Research Cluster at Northwestern, Funding support from 2018 - 2019.

Honorable Mention, NSF Graduate Research Fellowship, 2017.

Grand Challenges Scholar, National Academy of Engineering Grand Challenges Scholars Program, 2017.

Olin Merit Scholarship, Half Tuition, Funding support from 2013 - 2017.

Non Peer-Reviewed Publications

Ryan Louie, *Nicole Rifkin, Brandon 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*, EECS315 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