# Ryan Louie

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| | Technology and Social Behavior Program | ryanlouie2021@u.northwestern.edu |
| | Delta Lab | youralien.github.io |

**Education**

**Northwestern University**, , Evanston, IL USA
1st-year Ph.D., Technology Social Behavior, CS+Communications
Research: Computational Ecosystems
Advisor: Haoqi Zhang

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

**Publications**

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

**Awards & Honors**

Honorable Mention, NSF Graduate Research Fellowship 2017

Olin Merit Scholarship, Half Tuition, 2013 - 2017.

**Professional Experience**

**Ruvolo Assitive Tech Lab**, **Olin College,** Needham, MA USA
*User-Centered Designer and Android Developer*      **Jun - Aug 2017**

**Babson Summer Venture Program,** Boston, MA USA
*Co-founder of CrossRoad Optics, Inc.*      **Jun - Aug 2017**

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

**Hippometrics,** Babson Park, MA USA
*Data Science Consultant*      **Oct 2015 - Jan 2016**

**indico data,** Boston, MA USA
*Machine Learning Research Development Intern*      **Jun - Aug 2015**

**DuPont Pioneer,** Boston, MA USA
*Data Science and Image Processing Intern*      **May - Aug 2014**

**Teaching Experience**

**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

SKILLS

**Languages**: Python, C++, Javascript, Java, R, Matlab, Lisp

**Data Science**: OpenCV, Scikit-Learn, Pandas, R, Theano, SQL

**Application Development**: Node.js, Qt, Tornado, Flask, Django, MongoDB, AngularJS, Meteor

**Tools**: Linux, Git, AWS-EC2/S3, Vagrant, Robot Operating System