

# LIANI LYE

project portfolio at [lianilychee.github.io](https://lianilychee.github.io)

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## EXPERIENCE

### Software Engineer / Product Owner @ IVANI

Jan 2016 – Aug 2016

- Work resulted in provisional patent application: Reverse-Beacon Indoor Positioning System Using Existing Detection Fields
- Created test platform for dev team, based on wireless communication systems, integrating 3<sup>rd</sup> party sensors
- Standardized interface for use across multiple teams
- Onboarded, mentored summer intern; assumed extra responsibilities when team lost a member

### Lab Manager @ Olin EASE Lab

May 2015 – Oct 2015

- As electrical lead, designed and produced scooter accessory with team of mechanical engineer, educator, and CAD specialist
- Created lasercut kits to introduce children to prosthetics and rapid prototyping; showcased at Boston Children's Museum and TEDxBeaconStreet

### Software Developer @ Systems and Technology Research

May 2014 – Aug 2014

- Designed, architected, and built commercial, Twitter data visualization web-app for DARPA contract
- Conducted UX tests to confirm usability

## ACCOMPLISHMENTS

- Launching **Foundry Idea Testing**, seminars and five-day intensive to teach the sprint methodology
- Led mechanical development for lower-arm prosthesis project; **produced 8 prototypes in 8 weeks**
- Created, facilitated **Cultural Conversations**, campus discussion series fostering awareness surrounding race, ethnicity, culture
- Ran **mailing label printing service** for high-school peers to defray college application costs
- Designed, constructed cardboard desk, seat, scone; **furnished room for \$50**

## EDUCATION

Franklin W. Olin College of Engineering

Major: Robotics Engineering

Graduation Date: May 2017

GPA: 3.21

## SKILLS

**Rapid prototyping:** lasercutter, 3D printing

**Programming:** Python, ROS, JavaScript, D3, HTML, CSS

**Software:** Solidworks, Autodesk Fusion 360, Photoshop, Illustrator, InDesign

## PURSUIITS

**Intellectual:** Foundry (campus entrepreneurship group), Cultural Conversations, Olin Robotic Sailing

**Creative:** Design Challenge (event for prospective students), cardboard carpentry, cartooning, street art