

LIANI LYE

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WORK EXPERIENCE

Associate Product Manager @ Ad Hoc, LLC

Apr 2019 – current

Organizational Design Lead / Core Team Member @ Code for America: Open Austin

Apr 2019 – current

Product Manager / Core Team Member @ Code for America: Code for Boston

Aug 2017 – Dec 2018

Strategized and developed civic tech products; worked with senior members to shape organizational direction and culture.

- Crafted complexity-appropriate solutions through collaboration with 4 government and nonprofit clients
- Guided 30+ citizen activist members by standardizing task management, reducing task definition and allocation time by 50%
- Proposed, designed, and implemented strategy/ops initiatives, including: process to consistently intake new projects; framework to support teams' alignment with mission; standardization of onboarding and workflow

Project Manager @ Design that Matters: Entrepreneurship & Design Capstone

Sept 2016 – June 2017

10-month consulting engagement: team of 8. Product: newborn warmer to complement existing novel phototherapy device.

- Developed proof-of-concept in 3 months by balancing medical need, business strategy, and manufacturing capabilities
- Led product-market fit efforts and intensive user research (incl. 200+ user interviews); led 2 international fieldwork trips
- Segmented market and identified price points through sensitivity analysis; identified 5 new customer segments
- Identified and implemented product changes; decreased projected production costs by 30%

Software Engineering / Product Owner Intern @ IVANI

Jan 2016 – Aug 2016

8-month internship. R&D to create test platform for dev team, integrating 3rd party sensors to wirelessly locate reverse-beacon.

- Boosted company assets by \$300K with patent: Reverse-Beacon Indoor Positioning System Using Existing Detection Fields
- Designed, implemented, and optimized algorithms, and wrote firmware for sensor hardware
- Streamlined 6-person development team's workflow from deadline-driven to iterative, by recommending and serving as an example of Agile practices

Engineering Education Researcher @ Olin EASE Lab

May 2015 – Aug 2015

4-month internship in generalist role for new lab focused on STEM education for marginalized populations.

- Mentored 2 middle-school students 2x weekly in electronic scooter accessory design, fabrication, and testing; patent granted
- Introduced 200+ children to prosthetics and rapid prototyping by creating lasercut kits; showcased at Boston Children's Museum and TEDxBeaconStreet

Software Development Intern @ Systems and Technology Research

May 2014 – Aug 2014

4-month internship: team of 3. Created commercial product using firm's tweet-aggregation DARPA technology. Frontend development with JavaScript, D3, and existing Mongo backend.

- Designed, architected, and built commercial Twitter data visualization web-app
- Defined product features by conducting competitive landscape research and usability tests

SOCIAL INITIATIVES

- **Co-led EO Task Force:** translated Feb 2017 federal executive orders into layman's terms for Olin College student body
- **Launched cross-campus bootcamp:** human-centered design meets Agile product / venture dev (Olin, Babson)
- **Coordinated Design Challenge:** annual student-run teamwork challenge for prospective Olin College admits

SKILLS

- **Design:** Framework generation, human-centered design, user research, feature definition, wireframes, Adobe & Google suite
- **Software:** Python, JavaScript, d3, HTML, CSS, R
- **Project Management:** Agile development, stakeholder relations, cross-functional team facilitation, documentation and presentation, process tests

EDUCATION

Olin College of Engineering: BS Engineering with a Concentration in Robotics

GPA 3.37