LIANI LYE

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project portfolio at **lianilychee.github.io**

EXPERIENCE

Project Manager @ Affordable Design & Entrepreneurship: Vietnam   Sept 2016 – June 2017

Led 9-member team to develop distribution & tech for low-cost infant warmer to supplement phototherapy. Constantly balanced blue-sky interaction and interface design with manufacturing capabilities, IEC standards, and stakeholder values. Managed partnerships with Salem design firm & Vietnam engineering firm.

Fellow @ The Lewis Institute: Babson College's Social Innovation Lab   Feb 2017 – May 2017

Consulted for San Francisco startup, non-profit association to develop metrics for program growth, student development, and educator training.

Educator / Organizer @ Foundry Idea Testing   July 2016 – Jan 2017

Launched business and product development intensive as Olin's first-ever winter-session program. Program boasts successful industry speaker series and unprecedented administrative support.

Software Engineer / Product Owner @ IVANI   Jan 2016 – Aug 2016

Work resulted in prov. patent app: Reverse-Beacon Indoor Positioning System Using Existing Detection Fields. Created test platform for dev team integrating 3rd party sensors to wirelessly locate reverse-beacon position. Onboarded and mentored summer interns; assumed extra responsibilities when team lost a member.

Engineering Education Researcher @ Olin EASE Lab   May 2015 – Aug 2015

Mentored two middle-schoolers in electronic scooter accessory design. Created lasercut kits introducing 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.

ACCOMPLISHMENTS

- Led mechanical development for affordable prosthetic arm project; **team produced 8 prototypes in 8 weeks**
- Created & facilitated **Cultural Conversations:** campus discussion series around race, ethnicity, culture
- Designed & constructed triple-wall cardboard desk, seat, sconce; personal challenge to **furnish room for $50**

EDUCATION

Franklin W. Olin College of Engineering
Major: Robotics Engineering
Graduation Date: May 2017
GPA: 3.37

SKILLS

Rapid prototyping: lasercutter, 3D printing, sketch models, wireframes, Adobe suite
Programming: Python, ROS, JavaScript, D3, HTML, CSS
Modelling: Solidworks, Fusion 360

PURSUITS

Intellectual: Foundry (campus entrepreneurship group), Cultural Conversations, Olin Robotic Sailing
Creative: Design Challenge (creating prospective students activity), cardboard carpentry, cartooning, street art