

# CONNIE LIU

ckliu@mit.edu | [connieklui.com](http://connieklui.com) | (760) 805-7638

## EDUCATION



**Massachusetts Institute of Technology**  
B.S. Mechanical Engineering  
Class of 2016 **GPA 4.9/5.0**



**University of Cambridge, Jesus College**  
Mechanical Engineering  
Spring 2015 **First in 2/5 Modules**

### Coursework

HGSE: Project Zero Perspectives  
Understanding & Evaluating Education  
Organizational Behavior

Product Engineering Processes  
Probabilistic Systems Analysis  
Microeconomics

Design & Manufacturing  
Systems & Controls  
Thermal-Fluids Engineering

## SKILLS

### Design Skills

Human-Centered Design  
User Interviews  
Adobe Illustrator  
Rapid Prototyping  
Photography

### Software Skills

Python  
HTML/CSS  
Solidworks  
Arduino  
MATLAB

### Machine Skills

Mill  
Lathe  
Injection Molding  
3D Printing  
Laser Cutting

## EXPERIENCE

### Rest Devices

Boston, MA

**Product Development Engineer** June-August 2015

Designed and programmed a robot to automate the manufacturing and assembly of a critical part of the flagship Rest Devices product, the Mimo Baby onesie.

Performed safety and performance testing on beta prototypes of a new connected nursery product.

### New Deal Design

San Francisco, CA

**Product Development Engineer** June-August 2014

Designed and built the hardware for a wearable device and an electronic toy for high profile clients.

Collaborated on interdisciplinary teams to contribute skills in Solidworks, rapid prototyping, programming microcontrollers, and designing stable systems.

### MIT Media Lab

Cambridge, MA

**Undergraduate Researcher** May 2013-Jan 2015

Developed the hardware and conducted multiple user studies for the FingerReader, an assistive device to help blind people interact with text-based documents. The device is being manufactured and will be sold in 2017.

Presented a paper at the ACM CHI Conference and was featured in the Huffington Post and Time.

## LEADERSHIP

### Design for America

**Founder & President** Sept 2013-Present

Garnered interest of 450+ students to design solutions for problems such as homelessness and literacy.

Coordinated a 15 member executive board, 25 project members, 10 mentors, and multiple campuswide events with over 100 students in attendance at each.

Mentored project teams and executive team on effective leadership and developed a human centered design guide to help teams build high quality, empathetic designs.

### Open Style Lab

**Engineer Fellow** June-August 2015

Worked on a team of three to design accessible pants for a client with muscular dystrophy.

Designed four different iterations while working with our client and partnering with many accessible design experts.

### Society of Women Engineers

**Vice President of Outreach** Sept 2012-Jan 2015

Managed a team of 25 outreach chairs to carry out more than 15 outreach programs each year that serve over 3000 students.

Started multiple programs including College Connection, an international e-mentorship program, Science Saturdays, a program bringing science to libraries, and Design Squad, a weekly design class for middle school students.

## ACTIVITIES

Camp Kesem (counselor)  
DynaMIT (Operations & Curriculum Officer)  
Four Weeks for America (teacher)  
Lemelson JV Inventeams (Curriculum Director)  
Dorm Government (social chair & entry chair)  
Technique (staff photographer)  
MIT Dance Troupe (member)  
Citizen Schools (Citizen Teacher)

## HONORS

Business Insider Impressive Student Feature (2015)  
ACM Computer-Human Interaction presenter (2014)  
GE Women's Scholarship (2014)  
\$25000 Buick Achievers Scholarship Recipient (2013)