

# 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

### Coursework

Mechanics of Structures  
Thermodynamics  
Design & Manufacturing II

Measurement & Instrumentation  
Probabilistic Analysis  
Understanding & Evaluating Education

Organizational Behavior  
Systems & Controls  
Finite Element Analysis

## SKILLS

### Machine Skills

Mill  
Lathe  
Injection Molding  
3D Printing  
Laser Cutting

### Software Skills

Python  
HTML/CSS  
Solidworks  
Arduino  
MATLAB

### Design Skills

Adobe Illustrator  
Adobe Photoshop  
rapid prototyping  
3D modeling  
Photography

## 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 Mimo Baby onesie.

Performed safety and performance testing on beta prototypes of a 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 clients like Google.

Collaborated on interdisciplinary teams for projects that utilized skills in Solidworks, rapid prototyping, microcontroller programming, and stable system design.

### MIT Media Lab

Cambridge, MA

**Undergraduate Researcher** May 2013-June 2014

Developed the hardware and conducted multiple user studies for the FingerReader, an assistive device to help blind people interact with text-based documents. Presented a paper at the ACM CHI Conference and featured in the Huffington Post and Time Magazine.

## LEADERSHIP

### Design for America

**Founder & President** Sept 2013-Present

Led over 300 students to design solutions for problems in the community such as homelessness and literacy.

Coordinated a 15 member executive board, five project teams, and multiple campuswide events with over 100 students in attendance at each.

Mentored project teams and executive members on effective leadership and developed a human centered design guide to help project 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. Presented to and partnered with multiple accessible clothing 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)  
Dorm Government (social chair & entry chair)  
Technique (staff photographer)  
DynaMIT (Operations & Curriculum Officer)  
Four Weeks for America (teacher)  
Lemelson JV Inventeams (Curriculum Director)  
MIT Dance Troupe (member)

## HONORS

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