

# Connie Kathy Liu

conniekliu.com

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## EDUCATION

### Massachusetts Institute of Technology

Sept 2012-Jun 2016

- ❖ 4.9 GPA out of 5.0
- ❖ Degree candidate for the Bachelor of Science in Mechanical Engineering
- ❖ Relevant Coursework: Mechanics of Structures, Dynamics, Fluid Dynamics, Design & Manufacturing, Differential Equations, Probabilistic Systems, Properties of Biomaterials, Quantitative Physiology

## WORK EXPERIENCE

### New Deal Design

San Francisco, CA

Product Development Engineer

June 2014-August 2014

- ❖ Designed electronics and hardware for multiple products including a smart wearable and a robotic toy.
- ❖ Worked on interdisciplinary teams to carry out projects for high profile clients such as Google.

### Fluid Interfaces Group at the MIT Media Lab

Cambridge, MA

### Augmented Senses at the Singapore University of Technology

Singapore, Singapore

Undergraduate Researcher

May 2013-June 2014

- ❖ Developed electronics and hardware for the FingerReader (featured on Huffington Post and Time), an assistive device for blind people to help them interact with text-based documents.
- ❖ Conducted multiple user studies of functional prototypes with blind persons.
- ❖ Served as a contributing author in a published paper in the 2014 ACM CHI Proceedings.
- ❖ Researched use of thermal feedbacks as a method to deliver latent cues to users and regulate body temperature.
- ❖ Utilized skills in Solidworks, Arduino programming, interaction design, circuitry, and 3D-modeling.

## LEADERSHIP

### Design for America

Sept 2013-Present

President & Founder

- ❖ Led over 150 members in a club dedicated to using design to engineer solutions to societal issues.
- ❖ Coordinated the 15 member executive team and five project teams, spearheaded community and schoolwide publicity efforts, and organized campus-wide events such as an IDEO Roundtable and Arduino hackshop.

### Society of Women Engineers

Sept 2012-Present

Vice President of Outreach

- ❖ Managed 15 outreach chairs and 17 individual outreach programs that serve over 3000 students a year.
- ❖ Started multiple programs including College Connection, an international e-mentorship program, Science Saturdays, a program to bring science to local libraries, and Design Squad, a weekly design thinking class for middle schoolers.
- ❖ Led efforts to mobilize volunteers to represent MIT at the USA Science & Engineering Fair and impact over 5000 students.

## MAJOR HONORS

USA Physics Olympiad Semifinalist (2012), \$25000 National Buick Achievers Scholarship Recipient (2013), ACM Computer Human Interaction Conference presenter (2014)

## SKILLS

Software: Python, HTML/CSS, Processing, C++, Microsoft Office, Solidworks, MATLAB, Arduino, Eagle

Machines: Mill, Drill Press, Lathe, Band Saw, Laser Cutter, 3D Printer

Languages: Proficient in Mandarin Chinese; Conversant in Spanish

## ADDITIONAL ACTIVITIES/INTERESTS

Camp Kesem (counselor), Dorm Government (social chair & entry chair), Technique (staff photographer), MIT Dance Troupe (member), Chinese Students Club (member), playing ukulele, baking, traveling