

Connie Kathy Liu

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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