

Lauren Luo

jlluo@mit.edu | 650.283.7373 | lauren9y.github.io

EDUCATION

Massachusetts Institute of Technology

Cambridge, MA | August 2014 - June 2018

Bachelor of Science, Mechanical Engineering

Minor in Computer Science

Concentration in Design

GPA 4.7/5.0

University of Cambridge

Cambridge, UK | January 2017 - June 2017

School of Engineering, Mechanical Engineering

PROJECTS

2.008 Design and Manufacturing II Yoyo Project

Cambridge, MA | September 2016 - December 2016

Designed, prototyped, and mass produced "planet" yoyos. Yoyo molds were made with solidworks, mastercam, cnc mill and lathe. The yoyo parts are injection molded and thermoformed. Learned to design with tolerances and consistent quality control.

4.301 Intro to Artistic Experimentation

Cambridge, MA | September 2016 - December 2016

Dived into designing interactive art pieces that addresses social issues. The first project was a hand-made hammock that encourages younger generation to learn about tradition. Second project was a performance that makes a statement about the lack of sleep and deteriorating mentalhealth around MIT campus.

2.007 Design and Manufacturing Robotics Competition

Cambridge, MIT | February 2016 - May 2016

Designed and fabricated a multi-stage elevator robot to lift a metal lantern 40 inches off the ground, onto a hook, with given game kit. Gained knowledge and skill with mill, lathe, hand tools, and overall mechanical design process including CAD, prototyping, and trouble shooting.

DFA Mental Health

Cambridge, MIT | October 2015 - May 2016

Constructed a design and coded basic front-end for a mental health application in hopes of helping the MIT community to better communicate with the administration and each other the current mood and causes of stress, allowing more concrete data for analysis.

ACTIVITIES

TechX: MakeMIT | Event Organizer

Cambridge, MA | October 2014 - May 2016

Organized and lead logistical efforts to host MakeMIT, an annual hardware hackathon. Modified code for an efficient check-in and name-tag printing system.

EXPERIENCE

BNP PARIBAS | Global Markets Summer Analyst

New York, NY | June 2016 - August 2016

Worked closely with Sales and Trading to develop a new method of analyzing bank balance sheet liquidity, generate client activities report, and create structured equity products breakdown report. Also shadowed various sales, traders, and structurers on a daily basis to learn about all major global business line activities.

Affective Computing at MIT Media Lab | Research Assistant

Cambridge, MA | October 2015 - March 2016

Design and tested an arduino-based pain input program for patients of injection pain clinical research.

JFDI.Asia | Programming Intern

Singapore, Singapore | June 2015 - August 2015

Programmed an early stage prototype via Google Apps Scripts Excel for Legalese.io, a startup focused on autogenerating contracts for early stage startups. Actively participated in the Entrepreneurship community, helping JFDI.Asia, a leading incubator, scout for talent and organize demo day.

TsingYi IVE | Robotics Team Mentor

TsingYi, Hong Kong | January 2015 - February 2015

Developed and taught Computer Vision basics via OpenCV to students in university participating in a badminton robotics competition.

SKILLS

SOFTWARE

Solidworks CAD | Mastercam | Onshape CAD

Microsoft Excel | Microsoft Powerpoint

Adobe Illustrator | Adobe Lightroom

PROGRAMMING

Python | Java | Matlab | Arduino

Html/CSS | JQuery | Google App Scripts | LaTeX

MACHINE TRAINED

Injection Molding | Laser cutter | Bandsaws

Mill | Lathe | Hand Tools

INTERESTS

Travel | Hip hop Dance | Bollywood Dance

Photography | Yoga | Running | Cooking

LANGUAGE

English (fluent) | Chinese (fluent)