

Joyce Y. Chen

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Portfolio available at
joyceychen.com

I am a senior at MIT studying Computer Science with a concentration in Media Studies. My focus is on UI/UX design and implementation. Seeking full time position for May 2018.

EDUCATION

Massachusetts Institute of Technology **Computer Science** **2014-Present** Cambridge, MA
Relevant classes: UI Design & Implementation, Software Construction, Computational Photography, Video Game Design, Artificial Intelligence, Algorithms, Machine Learning

WORK EXPERIENCE

MIT Media Lab Research **UROP** **June 2017-Present** Cambridge, MA
Adopted a pharmaceutical manufacturing simulation to a web interface (irawinder.github.io/PharmaDSS-js). Programmed full functionality and improved UI and graphics. Furthered design development and implementation of a lab simulation, online and a tangible user interface, for architects and site planners.

MIT Teaching Systems Lab Research **UROP** **June 2016-June 2017** Cambridge, MA
Designed and tested the UI and UX of various learning experiences, challenges, and games for different teaching models. Designed a variety of marketing and brand identity graphics.

Syntheon **Internship** **Summer 2012** Miami, FL
Led the Detectors team through the development of compact radiation and cosmic ray detectors for a global network and the data collection of detector effectiveness.

PROJECTS AND PATENTS

Runstoppable (runstoppable.io) **Spring 2017** Cambridge, MA
Designed, prototyped, and implemented a web user interface application for runners to keep track of their runs, compare runs, and look at their running trends. Worked in a team of four.

Tensegrity Robot **2015** Cambridge, MA
Awarded MakeMIT Top Ten Finalist. Designed and built a simple tensegrity robot controlled by a Myo Armband. Worked in a team of four.

Compact Water Filtration System [Inventor] US Patent: 61/974,863
Water filtration device deployed in developing countries (Kasai, Haiti, Nigeria, Argentina, and the Philippines) to provide clean water and to prevent illness from water contamination.

Conrad Awards: Spirit of Innovation **2013-14** Houston, TX
USA Science & Engineering Festival **2013** Washington D.C.
American Society of Plumbing Engineers Symposium **2013** Orlando, FL

MedEasy Pill Minder [Inventor] US Patent: 61/810,681
Automated storage unit designed to remind and dispense correct dosages of medication.

National Finalist **Conrad Awards: Spirit of Innovation 2012-13** Houston, TX

SKILLS

Programming Python, C++, Java, HTML/CSS, JavaScript, p5, Processing, Halide, Git, LaTeX
Design 5 years CAD (AutoDesk, Sketchup), 8+ years traditional drawing and drafting
5 years with Adobe Photoshop, Illustrator, and InDesign
UI and UX User testing, user-centered experience design, software and physical prototyping, development in teams, graphic design

AWARDS

Silver Key **Scholastic Art and Writing Awards (2013): Visual Arts**
First Place **Florida State Fair (2011, 2012, 2013): Architecture**
First Place **Miami-Dade Fair (2011, 2012, 2013): Architecture**