Joyce Y. Chen

chenjy@mit.edu
305-934-5973

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 June 2018.

EDUCATION

Massachusetts Institute of Technology   **Computer Science**   **2014-Present**   Cambridge, MA
> **Relevant classes:** UI Design and Implementation; Intelligent Multimodal User Interfaces; Software Construction; Computational Photography; Video Game Design; The Word Made Digital; Artificial Intelligence; Algorithms; Automata, Computability, and Complexity Theory; 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 (http://joyceychen.com/media-lab). Assisted a deployment for an on-site update of the project.
Design posters for Media Lab's Members Week and the IEEE Future Technologies Conference.

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. Created a variety of marketing and brand identity graphics for an open-house and summer workshop.

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**