Joyce Y. Chen

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305-934-5973   **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 August 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 into a web based interface. 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   **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**