Xin Wen

143 Albany Street, Cambridge, MA • xinwen@mit.edu • 206-790-4956
Linkedin: https://www.linkedin.com/in/xin-wen-8a317b128/
Github: https://github.mit.edu/xinwen, https://github.com/xinw3n, Portfolio: http://xin-wen.me/

EDUCATION

Massachusetts Institute of Technology (MIT) **GPA: 4.7/5.0** Cambridge, MA
Candidate for B. Sc. in Electrical Engineering & Computer Science, Minor in Design Sep 2015 - May 2018
MIT EECS — Texas Instruments Undergraduate Research and Innovation Scholar; Member of Tau Beta Pi
Coursework: Algorithm, Artificial Intelligence, Computer Structures, Software Construction, Microcomputer Project Lab, How to Make (Almost) Anything, Interactive Technology, Data Visualization

PROJECT & RESEARCH EXPERIENCE

MIT CSAIL - Human Computer Interface Engineering Group (Stefanie Mueller) Cambridge, MA
Undergraduate Researcher June, 2017 - Present
- Designed and implemented an user interface in Blender to recolor existing 3D-printed objects on the fly to enable "dynamic product design"
- The interface allows user to convert any 3D model to be coated with photochromic material for 3D printing and to paint the digital model in order to update the physical model
- Submitted to the ACM Conference on Human Factors in Computing Systems (CHI) 2018

MIT Media Lab - Design Fiction Group Cambridge, MA
Undergraduate Researcher February - May 2017
- Engineered a system to control the movement of microorganisms with Alpha brainwave via a brain computer interface
- Used openBCI and Processing to read Alpha brainwave from the user and moderated an Arduino controlled circuit on which the microorganism is placed

MIT Global Teaching Lab Israel Central Israel
Entrepreneurship and Product Design Instructor January 2017
- Designed a curriculum teaching entrepreneurship and product design to Israeli high school students
- Taught at four high schools in central Israel; each class consisted of 25 to 40 students
- Students delivered final pitch for their products at the end of the curriculum

LEADERSHIP EXPERIENCE

MIT Associate Advisor September 2017-Present
- Support eight freshmen living in my residence by providing academic programming and resources
- Facilitate the faculty advisor advising freshmen to ensure their smooth transition to MIT

MIT Department of Electrical Engineering and Computer Science Lab Assistant September 2017-Present
- Hold office hour for 6.009 Fundamentals of Programming to answer questions on weekly labs and provide checkoffs to ensure students' thorough understanding of course material

Gordon-MIT Engineering Leadership Program September 2016-May 2017
- Selective leadership program focused on developing effective and emerging leaders of teams in industry
- Studied engineering leadership theories and led teams of seven in labs simulating industry challenges

SKILLS & EXTRACURRICULAR ACTIVITIES

Affiliation: MIT MakerLodge mentor; MIT China Development Initiative
Language: Chinese - Native; English - Bilingual Proficiency; Spanish - Limited Working Proficiency
Programming: Python; Java; MATLAB; Processing
3D Modeling and Visualization: Blender, Rhinoceros, Fusion360, Illustrator, InDesign
Machining: 3D Printing, Milling, Lasercutting