

# EMILY ZHANG

## TEACHING EXPERIENCE

---

2014 – PRESENT

Teaching Assistant, MIT EECS Department

6.UAT - Oral Communication

6.170 - Software Studio

Led recitations, held office hours, and created teaching material for 100+ students in 6.170, a software engineering lab class. Led recitations and worked with students to better communicate technical ideas in 6.UAT, a class on technical communication and presentation.

SUMMERS 2015 & 2012

Technical Instructor at Global Startup Labs

Wits University, Johannesburg, South Africa

University of Moratuwa, Moratuwa, Sri Lanka

Organized and instructed 3-7 week startup incubator programs for top university students. Taught mobile and web technologies including Python, Android, Django and their development processes. Resulted in startups with private, corporate, and VC investments.

JANUARY 2014 & 2013

Instructor at Global Teaching Labs

Escola Proa, Barcelona, Spain

Tecnológico de Monterrey, Guadalajara, Mexico

Taught short courses on entrepreneurship and computer technologies. Worked with teachers to incorporate MOOC platforms into course curricula.

## WORK EXPERIENCE

---

SUMMER 2014

Server Engineering Intern at Oyster

New York, New York

Created tools to maintain upkeep of expanding server of ebooks and metadata, including tool to auto-curate book lists according rules given in natural language and a k-means book color cover extraction algorithm.

SUMMER 2013

Data Science Intern at Venmo

New York, New York

Studied network properties of user base to help marketing dept. better understand user features. Implemented Venmo's Facebook Open Graph app.

🏠 | 533 #2 Putnam Ave., Cambridge, MA 02139  
📞 | +1 856-456-6384  
✉ | emzhang@mit.edu  
🌐 | http://www.emzhang.com

## EDUCATION

---

2015 – PRESENT

**Master of Engineering**

COMPUTER SCIENCE SYSTEMS

Thesis: EFFICIENT MUSICAL SCORE

ALIGNMENT AND COMPARISON

ALGORITHMS AND APPLICATIONS

Massachusetts Institute of Technology

2011 – 2015

**Bachelor of Science**

Major: COMPUTER SCIENCE

AND ENGINEERING

Minor: MUSIC

Massachusetts Institute of Technology

## AWARDS & ACTIVITIES

---

2015 – Present

**Emerson Music Scholarship**

FLUTE SCHOLAR

Massachusetts Institute of Technology

2015 – Present

**Wind Ensemble**

FLUTE & PICCOLO

Massachusetts Institute of Technology

2014

**hackNY**

FELLOW AT OYSTER

hackNY, New York City

2013

**hackMIT**

CREATOR

Massachusetts Institute of Technology

## PUBLICATIONS

---

2011

**HCI International**

SCRATCHABLE DEVICES:

USER-FRIENDLY PROGRAMMING

FOR HOUSEHOLD APPLIANCES

Rutgers University