

Yuchen Su

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EDUCATION

Thayer School of Engineering at Dartmouth College

Hanover, NH • Class of 2017

Master of Engineering Management

A collaborative program taught by faculties from the **Thayer School of Engineering** and the **Tuck School of Business**

Emerson College

Boston, MA • Class of 2015

M.A. Integrated Marketing Communication (IMC)

School of Mechanical Engineering at Shanghai Jiao Tong University (SJTU)

Shanghai, China • Class of 2013

B.S. Mechanical Engineering(Pilot Class)

Honors and Awards: School-level Class C Scholarship(2012); University-level Outstanding Student(2012)

TECHNICAL EXPERIENCES

DALI Lab at Dartmouth College

Hanover, NH • Sept 2015 – Present

iOS Software Developer Intern at Parlay Technology Inc.

- Identifying design and technical problems of a recently launched ios mobile app
- Redesigning user interface to improve user experiences
- Rebuilding app modules in meteor framework

Engagement Game Lab at Emerson College

Boston, MA • Sept 2014 – Mar 2015

Student Assistant

- Designed and assembled sensors by using 555 timer for 20 journalism students to collect data on water quality in Boston
- Built a signal processing and visualization web app in Javascript for data sharing and analysis

Open Style Lab at MIT

Cambridge, MA • Jun 2014 – Aug 2014

IoT Engineer

- Designed the circuit of a temperature regulation system for a shirt for people with disabilities
- Developed a web app with Flask in Python for remote control and data access
- Created a model by CAD software and rapidly prototyped by 3D printing
- Presented the result and exhibited the prototype at MIT and Museum of Science Boston

Emerson College

Boston, MA • Mar 2014 – May 2015

Graduate Assistant at Institute for Interdisciplinary Studies

- Participated in organizing Second Nature conference and developing mathematical models for calculating its CO2 footprint
- Enrolled as TA helping the professor in his daily teaching activities on energy and sustainable development
- Programmed data visualization tools in Python interacting with Excel files for the scientific research

Penn State University and SJTU Collaborative Project

Shanghai, China • Jan 2013 – Jun 2013

Mechanical Engineer and Communication Coordinator

- Formulated tools and a way of dynamics analysis as a part of an educational kit for a graduate course at PSU
- Implemented fifteen different mechanics structures with the kit and generated a data report for each of them
- Presented at SJTU and ranked top three among fifteen teams

ADDITIONAL EXPERIENCES

Chelsea Sea Level Change PSA Campaign

Boston, MA • Jan 2015 - May 2015

Graphic Designer and Analyst

- Connected with scientists from MIT and Chelsea city governors to communicate climate change issues with local residents
- Illustrated logos and posters for the campaign

Graduate Student Association of IMC (GSIMC)

Boston, MA • Nov 2013 - May 2015

Digital Manager

- Supported digital marketing events held by GSIMC and sponsors
- Organized successful student workshops on statistics and R programming for marketers

Forbes China

Shanghai, China • Aug 2012 – Jan 2013

Project Director Assistant

- Researched on around twenty Chinese innovative start-ups
- Facilitated four Forbes China annual conferences with themes on start-ups in China

PROFESSIONAL AFFILIATIONS

IEEE, Free Software Foundation

SKILLS & INTERESTS

- **Programming:** Python, C, R, HTML/Javascript, Go, Obj-C, \LaTeX
- **Software:** Git, Matlab, Pandas(Python Data Analysis Tool), Excel, SQL
- **Hardware:** Arduino, Raspberry Pi, AVR, C51/C52 Microcontroller
- **Operating Systems:** Windows, Unix-like Systems
- **Interests:** Rock climbing, Mathematical modeling, Contest programming