

EDUCATION**| Massachusetts Institute of Technology (MIT)**

Candidate for Bachelor of Science in Mechanical Engineering
 Concentration in Product Design, Minor in Design

GPA: 4.8/5.0
 Major GPA: 4.9/5.0

Cambridge, MA
 Class of 2018

EXPERIENCE**| Flex Ltd | Mechanical Engineering Intern**

Milpitas, CA

Jun 2017 | Aug 2017

- > Researched the behaviors of resistive heating fabrics for applications in wearable electronics with the aim of optimizing heat and power over battery life
- > Identified optimal methods for branding wireless phone chargers for marketability

| IPSUMM - i2i Engineering | Mechanical Engineering Intern

Portsmouth, NH

Jun 2016 | Jul 2016

- > Developed a wearable device product as an intern project, which uses RFID/NFC technology to emit scents when near an object of the user's choosing
- > Prototyped the electrical design and casing design for the user-oriented product
- > Assisted in company projects with a focus on automation and mechanical design

| MIT Media Lab - Fluid Interfaces Group | Undergraduate Researcher

Cambridge, MA

Jan 2016 | April 2016

- > Designed HCI technology, including a wearable necklace and a stationary device, that releases scents in order to encode, store, and retrieve specific memories
- > Modeled and fabricated product casings using CAD software and 3D printing

| AstraZeneca - MedImmune | Automation Intern

Gaithersburg, MD

Jun 2015 | Aug 2015

- > Automated and optimized the sample preparation procedure for the LabChip GXII using Venus software robotics code and the Hamilton Microlab STAR liquid-handling robot
- > Programmed a more artificially intelligent robot that would increase throughput, time, flexibility, and accuracy of the protein analyses performed by the LabChip GXII

| MIT Media Lab - Tangible Media Group | Undergraduate Researcher

Cambridge, MA

Feb 2015 | Apr 2015

- > Fabricated and designed inflatable 2D models using heat-sealable material
- > Evaluated pneumatically driven 3D folding mechanisms of the models for research data
- > Analyzed the development of automatic control of inflation processes

LEADERSHIP & ACTIVITIES**| MIT Asian Dance Team | Choreographer**

Sep 2014 | Present

- > Teach dance workshops with a focus on asian culture

| Pi Tau Sigma - Mechanical Engineering Honor Society

Apr 2016 | Present

- > Tutor undergraduate students in various MIT mechanical engineering classes

| Tau Beta Pi - Engineering Honor Society

Sep 2016 | Present

| MIT TechX - HackMIT Organizing Committee | Marketing Head

Apr 2015 | Sep 2016

- > Lead the marketing committee for HackMIT, one of the nation's largest hackathons with over 1,000 participants, and Blueprint, a learning hackathon for high schools students

SKILLS**| Design**

- > Product Design
- > Prototyping
- > UI/UX

| CAD

- > SolidWorks
- > Rhino
- > Grasshopper

| Software

- > HTML/CSS
- > Python
- > MATLAB

| Adobe CC

- > Illustrator
- > Photoshop
- > InDesign

| Machine

- > 3D Printing
- > Laser Cutting
- > Machining

| Other

- > Robotics
- > Arduino
- > Mandarin