LUCIA LIU

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EDUCATION

| Massachusetts Institute of Technology (MIT) — Cambridge, MA

Candidate for Bachelor of Science in Mechanical Engineering — GPA: 4.8/5.0 — Class of 2018

Concentration in Product Design, Minor in Design — Major GPA: 4.9/5.0

EXPERIENCE

| MIT Product Design - Tatchi | *Group Project* — Cambridge, MA — Sep 2017 | Dec 2017

> Developed a table-top gaming platform accessible to both visually impaired and sighted people by prioritizing features that utilize senses of touch and sound
> Had leading roles in industrial design, branding, and UI/UX design

| 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 electronics and casing design of a wearable device, which uses RFID/NFC technology to incorporate aromatherapy into everyday life
> 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 a sample preparation procedure by coding a liquid-handling robot, which increased throughput, time, flexibility, and accuracy of the protein analyses

| MIT Media Lab - Tangible Media Group | *Undergraduate Researcher* — Cambridge, MA — Feb 2015 | Apr 2015

> Fabricated and designed inflatable 2D models using heat-sealable material, and evaluated their pneumatically driven 3D folding mechanisms for research data

LEADERSHIP & ACTIVITIES

| Student Dance Groups — Sep 2014 | Present

> BU Vibes female hip-hop team, BU miXx, MIT Asian Dance Team, MIT Dance Troupe

| Pi Tau Sigma - Mechanical Engineering Honor Society — Apr 2016 | Present

| Tau Beta Pi - Engineering Honor Society — Sep 2016 | Present

| MIT TechX - HackMIT Organizing Committee | *Marketing Head* — Apr 2015 | Sep 2016

> Led 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
> Industrial
> Graphic
> UI/UX

| CAD
> SolidWorks
> Rhino
> Mastercam

| Software
> HTML/CSS
> Python
> MATLAB

| Adobe CC
> Illustrator
> Photoshop
> InDesign

| Machine
> 3D Printing
> Laser Cutting
> Machining

| Other
> EE Basics
> Sketching
> Mandarin