

JOCELYN J. JIMENEZ

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SKILLS

Mechanical: Basic Powertools • Laser Cutter • Sheet Metal Training • 3D Printing • X-Ray Fluorescence • Scanning Electron Microscope

Software: MATLAB • HTML • CSS • Python • C++ • Arduino • Mathematica • Solidworks

Design: Illustrator • Photoshop • Lightroom • Dreamweaver • Wordpress • Sketching & Painting • Strategy & Vision Presentations

Other: Spanish • Google Drive Apps • Microsoft Office Apps • Notion

PROFILE

I am an undergraduate engineer passionate about ethics, design, and creating products & services that are easily accessible and sustainable. My goal is to improve accessibility for marginalized communities through sustainable measures.

EDUCATION

Franklin W. Olin College of Engineering; **Needham, MA**

May 2022

Bachelor of Science and Engineering with a concentration on UX Design
Recipient of Half-Tuition Scholarship

Uplift Luna Secondary; **Dallas, TX**

May 2018

Valedictorian with Summa Cum Laude Honors

TECHNICAL EXPERIENCE

Intern, Education Is Freedom

Summer 2020: Created structured, virtual resources for their students, redesigned their website to meet their current needs, and used a human-centered design approach to serve students as effectively as possible while keeping them safely distanced. This internship was partnered with the Public Interest Technology Fellowship.

Collaborative Design with Music Educators

Spring 2020: Interviewed Music Educators who teach in underrepresented communities to understand their needs and motivations. Our goal is to design a product/service that will help them and their students.

Course Assistant, Metals, Mining and the Environment

Spring 2020: Helped guide students through various projects and equipment, such as the SEM and XRF.

CNC Drawing Robot

November - December 2019: Lead communicator, web designer, and visual designer for CNC drawing mechanism that illustrates simple shapes. Also developed the preliminary computer vision function of drawing robot in Python.

Intern, Context and Ethics Research

Summer 2019: Integrated Ethics and Context into Olin's culture and curriculum by creating programs that allow students to feel comfortable talking about controversial issues and designed promotional posters for events hosted by the research team.

Citizen Science with Microfluidics

Spring 2019: Created a citizen science water testing kit that allowed individuals to get educated on lead poisoning and identify it in their water.

Friendzone

Spring 2019: Designed a rough android prototype app that people could use to prevent sexual assault on college campuses.

LEADERSHIP EXPERIENCE

ARC, Academic Resource Co-Designer

2020- Present: An academic support resource where trained peers can assist students in non-content related tasks and skills. Topics that ARCs might be able to assist with include: time management, study strategies, organizational skills, processing teaming situations, effective communication with faculty, taking notes, project scoping and planning, and more!

President & Founding Member, The Multicultural Innovators Experience (The MIX)

2019- Present: Formerly Public Relations Chair for the organization. Created promotional posters, kept social media updated, and collected images of events that were hosted. Currently as President, I enforce and help organize a support system for students of color, while promoting networking events and the MIX's culture.

President & Founding Member, National Society of Black Engineers

2019 - Present: Former Vice-President of the Chapter. Helped create and participate in Olin's NSBE Chapter, while raising awareness of the program and need for funding. Provide professional resources for students and help them attend networking events such as national conferences.

President & Founding Member, Society of Hispanic Professional Engineers

2019 - Present: Former Vice-President of the Chapter. Helped create and participate in Olin's first ever SHPE Chapter, while raising awareness of the program and need for funding. Provide professional resources for students and help them attend networking events such as national conferences.

Co-President, (H)OLA

Fall 2018 - Present: Participate and help prepare events hosted by the Latinx Olin Community. Our goal is to educate non-Latinx students about our diverse cultures, while providing a support system for members of the community.

Volunteer, Big Brother Big Sister

2018 - 2019: Provide aid and serve as a mentor to a child in need from the Massachusetts Bay Area.