

Marisol Jimenez

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EDUCATION

Brown University, *Design Engineering, Sc.B.*

Providence, RI | Expected May 2025

Relevant Coursework: Materials Science, Computer Aided Visualization and Design, Mechanics of Solids and Structures, Design Brief, Social Psychology, Ethics in Digital Technology, Race and Gender in Scientific Community

PROJECT EXPERIENCE

Step Ladder Design, *Brown University Design Brief*

Spring 2024

- Conducted user research for a toaster, power strip, and step ladder using the following ethnographic research methods: interviews, participant observation, and focus groups
- Utilized research to inform the development of an innovative prototype

Bottle Opener, *Brown University Introduction to Engineering*

Fall 2022

- Used human-centered design alongside numerous research methods to create a functional old-fashioned soda bottle opener subject to a variety of constraints and user needs
- Combine knowledge of Computer Aided Design (CAD) with knowledge of statics principles (such as moments and systems of equations) to optimize bottle opener design

PROFESSIONAL EXPERIENCE

Evisions, Remote

May – July 2024

Intern

- Rotated through multiple departments including Product, UX, Engineering, QA, Marketing, Sales, Professional Services, Support, Partnerships, Client Experience, Finance, and HR, gaining comprehensive insight into departmental accountabilities, best practices, and processes
- Conducted hands-on projects in DevOps, QA, marketing, sales, and professional services, including customer engagement, product messaging, SQL database concepts, and active support scenarios
- Developed and presented a capstone project analyzing departmental strengths and areas for improvement, synthesizing insights from each rotation to provide strategic recommendations

DIY Girls, Pacoima, CA

September 2020 – Present

Administrative Intern, STEM Instructor, Summer Program Intern

- Instruct groups of 20-30 elementary and middle-school girls through STEM projects like circuits, sewing, and switches
- Guide students through real-world applications of learned concepts; Draft weekly agendas while also recommending program-wide improvements for future cohorts
- Utilize Google Sheets to organize company financial data for accountant review

Brown University Sheridan Center for Teaching and Learning, Providence, RI

September – December 2023

Chemistry Tutor

- Design and teach chemistry lesson plans for students with varying learning styles and levels of understanding
- Set up a weekly feedback system to assess student needs to inform and improve individualized lesson plans
- Students reported an increased understanding in the subject matter; Received positive reviews and built on feedback

RESEARCH EXPERIENCE

Immigrant Women Journaling, *Research Assistant*

Remote | May 2023 – Present

- Recruited research participants and conducted Spanish and English-language ethnographic interviews for the Immigrant Women Journaling Project, a research project focused on voicing the personal stories of immigrant women during COVID
- Analyzed journals written by immigrant women and designed personalized guides and questions for firsthand interviews

LEADERSHIP AND COMMUNITY ENGAGEMENT

Brown University Society of Hispanic Professional Engineers (SHPE) *Internal President, Treasurer*

October 2022 – Present

- Manage all internal affairs such as demographic engagement, meeting schedules, and e-board responsibilities
- Plan and host professional and social events to uplift Hispanic students and larger diverse Brown community
- Obtained and managed a \$12,000 budget for the chapter consisting of over 20 students

Brown University Swearer Center Student Advisory Committee *Student Advisor*

April 2023 – Present

- Initiate equity-based community outreach initiatives to support engaged teaching and curricular opportunities
- Serve as a conduit between the Swearer Center and the Brown student body as a student representative

SKILLS

- Technical Skills: CAD, Bandsaw, Handheld and power tools, Proficient in Microsoft Suite, WordPress, Google Suite, WIX
- Language: Native Spanish Speaker