

SUZANNA J. SIM

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📍 Permanent Address: 4716 Lago Vista Cir. San Jose | Local Address: 606 Alvarado Ave. Apt. 56 Davis, CA

Education

University of California, Davis

Expected Graduation: June 2020

Bachelor of Science in Materials Engineering, emphasis in Mechanical Engineering

-Coursework: Properties of Materials, Statics, General Physics, General Chemistry, Python

Skills

Technical: Solidworks, Python, HTML, CSS, Javascript, Bootstrap, MATLAB, Ch, Data Extraction/Compiling

Fabrication: Lathes, Mills, Drill Presses, Band Saws, Tensile Testers

Graphics: Adobe Photoshop, Adobe Illustrator, Adobe InDesign, Adobe Premiere, Wordpress, Social Media

Languages: Spanish (proficient), Korean (fluent), English (fluent)

Experience

Materials Testing Engineering Intern - Graniterock

June 2018 - September 2018

Web Development Teaching Assistant - UC Davis Engineering Student Startup Center

January 2018 - Present

-Negotiating with companies for sponsorship as well as handling social media, logistics, design, and marketing for the the 2018 Ideathon, Create-a-thon, and Shark-a-thon to propel entrepreneurship and technology at UC Davis

Laboratory Assistant - Nanomaterials in the Environment, Agriculture, and Technology (NEAT-ORU)

November 2017 - Present

-Extracting and compiling data information from research papers to create the first ever high temperature melt solution excel database for calorimetry researchers across the United States, China, Germany, and Israel.

Student Assistant - UC Davis Center for Integrated Computing and STEM Education (C-STEM)

August 2017 - December 2017

-Operated the UC Davis C-STEM website utilizing HTML/CSS and Wordpress

-Utilized Ch (coding language created by Professor Harry Cheng) and RoboBlockly to create drag and drop coding assignments to assist middle school students with math

-Designed the 2017 C-STEM Conference brochure pamphlet with Adobe Illustrator and Adobe InDesign

Projects

Model Airplane

September 2017- Present

-designed and modeled a fully functioning model airplane utilizing Solidworks (CAD)

-cut, created, and built parts using machinery and 3D printing

-researched materials for optimal functionality, worked with Carbon Fiber, plastics, and metals

HackDavis: Matchify - Spotify Playlist Creator

January 2018

-front end web development

-worked in a team to create a web application that utilized Spotify's API to create a playlist of mutually liked songs from users' playlists

Other

Advanced Modeling Aeronautics Team (AMAT)

September 2017- Present

-Fuselage Team member

Theta Tau, co-ed professional engineering fraternity

September 2016- Present

-Fundraising Chair

-Public Relations Chair

Material Advantage Student Chapter (MASC)

September 2016- Present

-active member

Society of Women Engineers (SWE)

September 2017- Present

-active member

Archery

June 2009- Present

-sponsored by Win&Win, 2015 USA Team, 2015 Youth Worlds Team Member, Junior Dream Team Member, 2015 Grand National Champion