

# 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*

-Developing and executing a course plan for a 6 week web development and launching workshop to instruct students in the basics of HTML, CSS, Javascript, JQuery, Bootstrap, React JS, and Git.

### 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