

Macie Claire Burgard

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I am a sophomore at the University of Southern California pursuing Civil Engineering, and I am originally from Dallas, Texas. I have skills in Matlab, AutoDesk, Revit, SAP2000, First Aid and CPR and conversational Spanish. Currently, I am looking for a summer internship to gain some hands-on experience.

Education

University of Southern California (Los Angeles, CA)

Cumulative GPA: 3.02/4.0

Expected Graduation: May 2023

B. S. Civil Engineering

Work Experience

Engineering Intern, Manson Construction Co., *Summer 2021*

- Worked with a team to design the falsework needed to pour concrete for a wharf extension and utilized AutoCAD to draw the design and communicate to others
- Observed active construction sites and reported back on the overall safety and progress of several projects
- Communicated with material suppliers to purchase materials

Counselor, Camp Ozark, *Summer 2020*

- Supervised and lived with campers from ages 10 to 13
- Planned and led nightly devotionals with campers about Christianity
- Certified in the camp ropes course and was responsible for setting up, cleaning up and working the ropes course daily
- Performed daily screenings for Covid 19

Lifeguard, Lakewood Country Club, *Summers of 2017 -2019*

- Set up and cleaned up pool before and after every shift
- Observed pool for potential safety hazards
- Maintained CPR and First Aid training

Projects

Wharf Extension for US Coast Guard, San Pedro, CA, *Summer 2021*

- Designed falsework for concrete pour on AutoCad
- Requested quotes from several suppliers for the materials needed for falsework and concrete pour that also followed the Buy American Act
- Presented the ideas to regional directors, foremen, laborers, consulting engineers and project managers

Seasonal Affective Disorder Solution, *August 2018 – May 2019*

- Researched the impacts of Seasonal Affective Disorder, existing solutions and their flaws
- Set design criteria and developed an idea to combat Seasonal Affective Disorder in the Northern United States
- Constructed a program with the goal of increasing or decreasing the amount of blue light produced based on the weather to decrease the impacts of SAD during the months when it is most prevalent
- Fundraised over \$300 to afford materials for our solution
- Presented our work and business plan to a panel of judges

Alpha Delta Pi Philanthropy, *Fall 2020*

- Organized an item drive for Ronald McDonald House through Alpha Delta Pi
- Donated over 200 items within a week and a half to the Los Angeles Ronald McDonald House
- Collaborated with USC Panhellenic to organize a virtual fundraiser to raise over \$7000 for the Loveland Foundation

Leadership and Involvements

Vice President of Member Development, Alpha Delta Pi, *Spring 2021 - Current*

Mentor, Women in Engineering Program, *Fall 2020 – Current*

USC American Society of Civil Engineers, *Fall 2020 - Current*

Director of Philanthropy, Alpha Delta Pi, *Fall 2020*

American Society of Civil Engineers Dallas Branch Scholarship Recipient, *2019*