

Lauren Posey, E.I.T.

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EDUCATION

M.S. Structural Engineering, Mechanics and Materials, University of California, Berkeley

Expected May 2021

Relevant Coursework: Structural Analysis Theory and Applications, Dynamics of Structures, Reinforced Concrete Structures, Design of Steel Structures

B.S. Civil and Environmental Engineering, University of California, Los Angeles

June 2020

GPA: 3.86 Major GPA: 3.96

Awards: Magna Cum Laude, 2019-2020 Outstanding Bachelor of Science Student in Civil and Environmental Engineering Award

Relevant Coursework: Design of Prestressed Concrete Structures, Earthquake Engineering, Structural Systems Design, Structural Analysis, Design of Reinforced Concrete Structures, Foundations and Earth Structures, Construction Management

SKILLS/CERTIFICATIONS

Engineer in Training, E.I.T.

Proficient in Microsoft Office; Familiarity with RISA, Revit, AutoCAD, Bluebeam, Microstation, MATLAB, GIS, and LIMS.

WORK EXPERIENCE

Degenkolb Engineers

Sacramento, CA

Structural Engineering Intern

June 2020 - August 2020

- Developed plan drawings and structural calculations for the repair of a fire-damaged wood-framed residence, including drafting structural details and layouts on AutoCAD and analyzing roof trusses in RISA 2D.
- Reviewed shop drawings for the construction of a new two-story steel braced frame classroom building at Del Campo High School in Fair Oaks, CA.
- Developed Excel spreadsheets to streamline typical calculations such as wind design and anchorage design per AISC, ASC, ASCE, and NDS building codes.

UCLA Samueli School of Engineering

Los Angeles, CA

Engineering Ambassador

September 2018 - June 2020

- Engaged with prospective students and their families and conducted campus tours of UCLA's Engineering facilities.

Los Angeles Department of Water and Power

Los Angeles, CA

Water Quality Student Engineer

June 2018 - September 2018

- Assisted with the \$100 Million San Fernando Basin Remediation Program. Primary responsibilities included developing a database of monitoring and production well data, summarizing my findings, and presenting them to Senior Management.
- Coordinated with regulatory agencies and collaborated with the project team consisting of consultants and DWP staff.
- Involved with the development of DWP's new water distribution flushing and disinfection program. Evaluated the application of a new flushing and treatment option (NO-DES System) on groundwater wells.

CalTrans

Sacramento, CA

Structural Design Student Intern

July 2017 - August 2017

- Calculated concrete, rebar, excavation, and backfill quantities for transportation-related structures in the CalTrans structure design branch.
 - Assisted with the \$560 Million Stockton Channel Viaduct Improvement Project. Analyzed the Stockton Channel viaduct by quantifying repairs and determining a failure pattern.
 - Used Microstation to design and review transportation-related blueprints.
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LEADERSHIP

Kappa Kappa Gamma Sorority

Los Angeles, CA

Sisterhood Chair, Philanthropy Committee, Judicial Committee, Risk Committee

September 2016 - June 2020

- Organized events for 200 members to foster sisterhood and teamwork.
 - Assisted with coordinating philanthropy events with a local elementary school to encourage youth education and raise money for our charity, Reading is Fundamental.
 - Oversaw and monitored local and national Kappa Kappa Gamma rules and policies.
 - Ensured safety and wellness of chapter by providing resources, support, and assistance to members.
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AFFILIATIONS

Chi Epsilon National Civil Engineering Honors Society, UCLA, **Treasurer (April 2018 - April 2019)**

- Handled chapter finances, facilitated tutoring sessions for undergraduates, and attended the Pacific District Conference.

American Society of Civil Engineers (ASCE), UCLA, **Construction Management Project (October 2018 - February 2019)**

- Competed in the Design Build Construction Management Project as a Designer using Revit and Bluebeam.

Society of Women Engineers (SWE), UCLA, **Mentorship Committee (February 2018 - June 2018)**

- Promoted women in STEM and organized a Mentorship Program to connect students and industry professionals.