

Zenab Ali

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EDUCATION

• Bachelor of Science in Civil Engineering

California State Polytechnic University, Pomona – Expected Graduation May 2023

GPA: 3.88, President's list

- Active student member of:
 - ASCE – American Society of Civil Engineers - **National ASCE Ambassador** August 2022- July 2023
 - EERI – Engineering Earthquake Research Institute- CPP EERI Team
 - Cal Geo – The California Geotechnical Engineering Association- *GeoWall Team*
- **Technical Programs:** Civil 3D, SAP 2000, ETAB, Slide 2D&3D, Water CAD, AutoCAD, Bluebeam, and Excel.
- **Bilingual:** Proficient in English and Arabic

EXTRACURRICULAR

- **Design Team Captain** *EERI CPP Team* **June 2020 – May 2021**
 - Designing high rise earthquake resistant buildings utilizing SAP 2000, and ETAB.
 - Researching on lateral load resistance systems and utilizing them in constructing balsa wood model of high rise buildings.
 - Conducting physical shaking table test on balsa wood building models.
 - Participate in yearly International Seismic Design Competition.
- **Team Lead** *GeoWall CPP Team* **June 2020 – May 2021**
 - Organized meetings and action plans regarding schedule, design, and proposal.
 - Conducted research on earth pressure, laterally loaded piles, and horizontal stress analysis.
 - Performed tests such as: Sieve analysis, Triaxial test, and Pullout test.
 - Placed 1st at GeoWall Competition, PSWC 2021.
- **Freshmen Representative** *SWE CPP* **Aug 2019 – May 2020**
 - Assisted in organizing meetings that connect Engineering professionals with college students.
 - Coordinated STEM events to empower high school students into joining the Engineering field.
 - Promoted SWE to all other students to motivate them in joining.

EXPERIENCE

- **Civil Engineering Intern** *HR Green, Government Services* **Sep 2021 – Dec 2021**
 - Communicated with utilities companies for utilities map for HR Green construction projects utilizing digalert.com, and Microsoft office.
 - Created base maps for road projects utilizing ARC GIS and Civil 3D.
 - Worked at Jurupa Valley city hall in assisting in reviewing proposed construction plans for the city.
 - Utilized Excel for entering and organizing data for construction bids for Jurupa Valley city hall.
- **Design Lead** *CPP Surveying Team* **Aug 2020 – Dec 2020**
 - Performed field calculations including differential and three-wire leveling, closing and adjusting leveling loops, and calculating coordinate data.
 - Utilized Microsoft Excel to generate survey database.
 - Used Civil 3D to create a Topographic map.
- **Advanced Math Tutor** *Rancho Cucamonga, CA* **July 2018 – May 2020**
 - Taught NY high school student remotely through their preparation for Algebra I, II Regent Exams.
 - Prepared high school students for AP Calculus AB Exam.
 - Tutored Calculus II, III to college students in the span of an academic year.