

Alyssa Lam

P: (626) 695-9671 | E: alyssaelam2@gmail.com
1820 S Monterey St Alhambra CA, 91801

Education

California Polytechnic University, Pomona

Fall 2018 – current

Civil Engineering, B.S.

- Anticipated graduation date: Spring 2022
- GPA: 3.7; Dean's List 2019-2021

Relevant Coursework (*currently enrolled in)

- Technical Comm.
- Statistics in Engineering
- Engineering Materials
- Traffic Engineering*
- Fluid Mechanics
- Structural Engineering
- Construction Engineering
- Design of Transportation Facilities*
- Transportation Engineering
- Geotechnical Engineering
- Water Resources
- Ethical Concepts in Tech & App Sci*

Experience

Roadway Engineering Intern

May 2021 – August 2021

Kimley-Horn Associates, Los Angeles, California

- Created informational exhibits using AutoCAD to display concepts for clients
- Documented and kept track of underground and overground utilities from as-built for areas within project sites
- Prepared project guides organizing information including project scope, contacts, design criteria, schedule...

Engineering Intern

January 2020 – September 2020

El Dorado National Ca, Jurupa Valley, California

- Designed and documented a detailed mount by utilizing Inventor Pro for a charging system on an electric bus prototype
- Provided a timely and efficient solution for a safety hazard by designing a terminal block cover
- Completed quality control of framework by collaborating with production line workers and engineers
- Traveled to multiple locations in LA County to troubleshoot LACMTA buses

Teacher's Assistant/ Tutor

September 2018 – October 2019

Kumon Learning Center, Alhambra, California

- Individualized teaching styles according to the strengths and needs of students ages from 4-15 years old
- Coordinated with co-workers to help manage and organize student coursework and progress

Leadership/ Organizations

Cal Poly Pomona Steel Bridge

August 2019 - current

Logistics Captain, 2021-2022

- Oversee the logistic positions in the team by delegating tasks and tracking progress
- Ensure that every member of the team is in a position where they are able to grow technically throughout the year

Aesthetics Captain, 2020-2021

- Responsible for leading team to compose a 10-minute informative and concise video overview to highlight design features, analysis, and critical construction path to a client for the 2021 Steel Bridge Supplemental Competition
- Innovated distribution methods of merchandise due to Covid-19 restrictions

Institute of Transportation Engineers

August 2020 - current

Vice President, 2021-2022

- Organize and schedule events/ guest speakers for general meetings for the school year
- Host internal events for officers to discuss ways to improve the student chapter

Co-Project Manager, 2020-2021

- Managed a team of 6 members by scheduling and assigning tasks to write a congestion reduction proposal
- Performed extensive research to generate and predict trip generation and distribution data for a proposed land use around the LAX and LAX-it area
- Composed a proposal with the team for the 2021 Data Collection Fund Project requested by Western ITE

Skills

- AutoCAD
- Inventor Pro
- Microsoft Office
- Topographic Mapping