

Education

California State Polytechnic University, Pomona

B.S. Civil Engineering , Senior Standing
Branch Emphasis: Transportation

Expected Graduation: Spring 2018

Relevant Coursework:

Highway Engineering

Engineering Economy

Urban Transportation

Transportation Engineering

Surveying

Geotechnical Engineering

Projects:

Senior Project: CA SR-60 Improvement

September 2017- Present

- Involved in the geometric design team to provide preliminary GADs that consists of route 60 lane expansion, interchange alternative, and local road circulation improvements.
- Webmaster for the project; website. sr60-beaumontcpp.weebly.com

Highway Design Project

March - May 2015

- Designed L-12 trumpet interchange using Microstation and Inroads software.

Urban Transportation Planning Project

March - June 2017

- Forecast travel demand of a specific area using CENSUS data, 4-step model procedure, and TransCAD software.

Transportation Traffic Study Project

September - December 2016

- Simulated traffic conditions of a section of the I-210E freeway near Citrus Ave using PTV VISSIM software and Caltrans' PeMS Data.

Institute of Transportation Engineers: Cal Poly Pomona

March 2015

- Volunteered worker for traffic data counts on intersection of S. Brundy Dr and Mayfield.

Engineers Without Borders: Cal Poly Pomona

March 2015

- Drafted 3D fence design using Autodesk Inventor for Century Village of Cabrillo.
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Experience

Intern at Pomona City Public Works

January 2017- present

- Designed layout of Bike Sharrow markings for McKinley and Fairplex roads that complies with MUTCD's requirements.
 - Managing and distributing typical utility "as-builts" to client's requests.
 - Cost estimating and review bids and proposals.
 - Create in-house exhibit, atlas, and utility maps using AutoCAD.
 - Developed plans in approaching Caltrans' ATP cycle 4 application with the City Traffic Engineer.
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Skills

Traits

Communicative, Sociable, Creative, Curious, Inquisitive, Obedient, Friendly, Analytical.

Softwares

AutoCAD, Microstation, Inroads, TransCAD, Inventor, Civil 3D, Microsoft Office

Leadership & Awards

Institute of Transportation Cal Poly Pomona: Membership Chair

November 2016 - October 2017

Institute of Transportation Cal Poly Pomona: Webmaster

June 2017- Present

Eagle Scout

July 2013