

Andrew Koscal

5 Rockrose, Aliso Viejo, CA 92656 • (949)-554-5008 • afkoscal@cpp.edu

CALIFORNIA STATE POLYTECHNIC UNIVERSITY- POMONA

Expected June 2018

Bachelor of Science in Civil Engineering

Overall GPA: 3.58

Relevant Coursework:

...

RELEVANT SKILLS:

Operating Systems

- Microstation, AutoCAD, Civil 3D, InRoads, Microsoft Office, SAP2000, Vissim

WORK EXPERIENCE:

Caltrans Traffic Operations, Student Assistant

June 2017 - present

- Perform cost estimates for ADA and weigh station projects.
- Analyze intersections and routes for truck accommodation.
- Use Microstation to draft truck route and sign placement diagrams.

Smashburger, Cook

June 2014 – Sept 2016 (seasonal)

- Prepared daily stock, analyzed tickets, and managed inventory.
- Developed problem resolution, communication skills, and working with others to complete tasks.

PROJECTS:

Hydraulic Design

June 2017

- Performed water demand calculations and utilized WaterCAD to design and size a water distribution system.

Hydrology Site Analysis

November 2017

- Performed a background analysis on a site area with watershed delineation, soil classification, and existing land use. Used rational method for culvert and detention basin sizing.

Vissim Transportation Project

November 2015

- Constructed a portion of highway in Vissim that replicated the actual highway. Used PEMs traffic data measurements at loop detectors to imitate the highway.

Highway Design

June 2015

- Used inRoads and Microstation to design a portion of highway and an interchange from start to finish. The project conformed to HDM standards and included earthwork and cost analysis.

Geotech Soil Analysis

November 2017

- Drilled in field to create a boring log and take undisturbed soil samples of a site. Conducted Atterberg limit, direct shear, consolidation, proctor, hydrometer, and sieve analysis tests on the samples. Used results to design a cell tower foundation.

CLUBS AND ORGANIZATIONS:

American Society of Civil Engineers (ASCE)

November 2014 - present

- Provides the opportunity to explore the field of engineering and insight into the current advances in the field.

Elected Board Member of CPP Rock Climbing Club

January 2016- present

- Plan and organize club outings. Responsible for keeping board meetings on topic and presenting information during club meetings.

Cal Poly Pomona Ultimate Frisbee Club Team

September 2015 – present