

Donald Calvert
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Education

- California State Polytechnic University, Pomona (expected graduation is June 2018)
- Expected degree is a Bachelor of Science in Civil Engineering, General Civil Engineering option with a heavy interest in transportation and traffic engineering

Relevant Coursework

- Highway engineering project completed individually using Inroads to design an interchange of a highway and street given traffic data, which used the Highway Design Manual to ensure Caltrans standard conformance
- Experience in Microstation and AutoCAD, used for many design courses throughout junior and senior years, such as the layout of an arterial intersection in Microstation including traffic pole selection and conduit design for the controller
- Data gathering and field work done in elementary and advanced surveying courses with analysis of data conveyed through project report
- Experience with VISSIM and Synchro traffic modeling software, with baseline knowledge of TransCAD software from using them for senior project to determine the best alternative based on traffic flow
- Took leadership role in many engineering group projects, am currently traffic team leader for senior project, working on widening a segment of the SR60 in Beaumont and adding a new interchange to account for an increase in traffic to the year 2040
- Communication between multiple teams, project managers, and advisors, both professors and Caltrans advisors for work on senior project

Skills

- Working knowledge of Microsoft Office
- Some experience with Synchro and VISSIM software
- Working knowledge of Microstation and AutoCAD, including some Inroads and Civil 3D use
- Ability to function exceptionally in both team and individual work environments
- Customer service and leadership role experience
- Exceptional organization and time management skills

Relevant Experience

- Handling important tests and tasks with levels of urgency and care
- Utilizing Excel and Word frequently for administration and testing tasks
- Familiarity with both office and laboratory work environments
- Experience with both Caltrans District 8 and assisting consultants

Professional Experience

Student Assistant

Caltrans District 8 2017-present

- Performed tests on hot-mix asphalt samples from current construction projects to ensure each meets Caltrans standard plans and specifications requirements
- Ability to work individually or as a group when required on tests and test-related tasks
- Met deadlines for ongoing tasks given by senior engineers such as maintaining up-to-date calibration records
- Inputting data and organizing information into Word or Excel documents for technicians and engineers

Team Member

Jack in the Box Inc. 2013-2016

- Balanced a full-time school schedule with an average work week of 25 hours
- Maintained an efficient and friendly work attitude, especially when communicating with customers
- Ability to function effectively in an increasingly changing work environment

Volunteer Tutor

Pomona Public Library Homework Club 2015-2016

- Maintained constant communication with program coordinators and parents of the tutored children to improve upon current tutoring environment
- Managed and tutored multiple students at a time while ensuring that each received the help they needed
- Served students from diverse backgrounds within the Pomona Unified School District

References

Cristina Paredes, P.E.

Acting SRL Hot Mix Asphalt (HMA) Branch Chief

Southern Regional Lab

cristina.paredes@dot.ca.gov

Office: [909.350.9043](tel:909.350.9043)

Yongping Zhang, Ph.D.

Assistant Professor, Highway Engineering Course

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Dr. Roberta Perlman

Board Member-Pomona Unified School District

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Lourdes Cervantes (previous manager)

Manager, Jack in the Box

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