

DANG NGUYEN

Garden Grove, CA 92841
(714) 613-3571; dangn2341@gmail.com
Civil Engineering Undergraduate at Cal Poly Pomona

EDUCATION

California State Polytechnic University, Pomona **Sept. 2015 ~ Present**

- Bachelor of Science in Civil Engineer, expected graduation June 2018

CERTIFICATION

Institute for Sustainable Infrastructure, *Envision Sustainability Professional* **Feb. 2018 ~ Present**
Greenroads International, *Greenroads Community Advocate* **Jan. 2018 ~ Present**

SKILLS

- Bilingual – Vietnamese
- Microsoft Office
- MicroStation & Inroads
- Civil 3D AutoCAD
- Synchro
- ArcMap

ORGANIZATION

American Society of Civil Engineers, *National and CPP Chapter Member* **Sept. 2015 ~ June 2017**

- Seismic Day Outreach Event (Volunteer – May 5, 2017)
- Civil Day Outreach Event (Volunteer – November 18, 2016)

Steel Bridge **Sept. 2016 ~ Present**

- Construction & Fabrications (Volunteer)
 - Participated in mock construction practice for construction team.
 - Assisted in fabricating the bridge for PSWC competition.

Institute of Transportation Engineers, *CPP Chapter Member* **Sept. 2017 ~ Present**

EMPLOYMENT

County of Los Angeles Department of Public Works, *Civil Engineering Student* **March 2018 ~ Present**

- Reconciled traffic sign codes and descriptions via DataSplice software matching codes labels from the latest MUTCD sign charts.
- Created points ArcMap layer referencing sign data from DataSplice.
- Verified the traffic sign conditions physically in the field with digital images via Collector app.
- Assisted engineers in managing the online Maintenance Management System (MMS)
- Created layout drawings to specification via MicroStation.

TECHNICAL PROJECTS

Senior Project **Sept. 2017 ~ Present**

- State Route 60 – Beaumont Improvement Feasibility Study
- Geometric design team lead.
- Worked with project managers to create a working schedule for our senior project team of 25 members.
- Utilized Civil 3D to design highway expansion and interchange addition under Caltrans' HDM standard.
- Collaborated with traffic team and environmental team to determine some alternative designs for project.

Traffic Signal Design **Mar. 2017 ~ June 2017**

- Designed a parking lot using specification from Caltrans' standard.
- Analyzed traffic volume of an intersection using Synchro.
- Cost analysis conducted based on conduits and loop design for the total project cost.
- Provided improvements for the intersection and nearby street using data from Synchro.

Highway Design **Sept. 2016 ~ Dec. 2016**

- Designed a highway with on/off ramps on MicroStation and Inroads Suite by generating a horizontal and vertical alignment base on the given contours and limitations.
- Progressed with Caltrans standards in calculations and traffic requirements.
- Drafted road templates, corridors, and cross sections of cut/fill for earthwork.
- Recorded necessary procedures for safety and construction requirements.
- Compiled a report with proficient information of the completed project.