

Frank A. Villagomez Jr.

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EDUCATION

California State Polytechnic University, Pomona

Pomona, CA

- Bachelor of Science in Civil Engineering

Expected Graduation: June 2018

EXPERIENCE

Michael Baker International

Ontario, CA

Traffic Engineering Intern

April 2016 - Present

- Assisted Traffic engineers in designing and revising layout sheets for signing, striping, electrical and lighting, detour plans, traffic control plans, quantities, etc.
- Performed traffic safety studies to improve the existing conditions on several intersections, as well as provide data to assist intersection improvement projects

Federal Highway Administration (FHWA) Oregon Division

Salem, OR

Civil Engineering Intern

June 2015 - August 2015

- Conducted interstate highway safety reviews in examining wrong way driving on highway off- ramps by performing off-ramp evaluations, data analysis, and research on wrong way driving counter measurements
- Accompanied FHWA operation engineers on several site visits along with the Oregon Department of Transportation (ODOT) to learn about different transportation technologies like intelligent compaction, ground penetrating radars, etc.
- Learned about FHWA's role within ODOT in planning, finance, intelligent transportation systems, safety, right-of-way, and operations in order to get a better understanding of the government agency's duties within the state of Oregon

UNDERGRADUATE RESEARCH

- **Villagomez, F.** (2015, August). *I 5 & I 84 Off-Ramp Safety Review: Wrong Way Driving*. Research presented at the meeting of Federal Highway Administration Oregon Division, Salem, Oregon.
Link: <http://hdl.handle.net/10211.3/158199>
- Blackburn, R.; Duong, S.; Salcido, J.; Upshur, B.; **Villagomez, F.** (2015). *Please Drive Carefully: Increasing Operator Education to Decrease Fatalities and Injuries*.
Link: <http://hdl.handle.net/10211.3/158313>

SKILLS

Proficient in:

- MicroStation
- AutoCAD
- InRoads
- Surveying
- Vissim
- Microsoft Office

ACTIVITIES

Engineering Scholars Program

Pomona, CA

Recipient

December 2014 - June 2015

- Awarded a scholarship to conduct research and work closely with a professor from the civil engineering department
- Conducted research on transportation related subjects such as traffic safety analysis, highway analysis, etc. in order to learn and analyze different aspects of transportation and the development of multimodal transportation

Institute of Transportation Engineers

Pomona, CA

Past President

May 2016 - Present

- Oversees club activities and expenditures by providing input as well as reinforce the club's mission and vision to the officers and student members
- Assists other officers with duties and tasks as well as maintain constant communication in order to build teamwork and achieve success for the club

President

April 2015 - May 2016

- Communicated between club advisors and student members, as well as supervised a team of 12 officers to effectively perform various tasks and promote the club for civil engineering students interested in transportation
- Conducted general meetings to inform members of planned technical tours, professional meetings, outreach events, scholarship & internship opportunities, as well as events and workshops that provide hands on experience for members

Treasurer

May 2014 - April 2015

- Created a budget to maximize funds for the club's use, including conferences, technical tours, etc.
- Monitored the club's finances by managing and recording activities and use of funds from club accounts to optimize allocations of funds

Member

September 2013 - Present