

Jens Evans

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Education:

Portland State University 2017 – 2020 (expected), Bachelor of Science in Electrical Engineering. Concurrently taking graduate courses for the *Signal Processing and Machine Learning Masters*. Active member of the Portland State University IEEE branch.

Professional Experience:

Jacobs Engineering, Electrical Intern (MECOP) - Portland OR - April 2018 to September 2018

Summary: Consulting specifying engineer in the advanced facilities department designing medium voltage distribution systems (34.5kV) for a new semiconductor fabrication plant. Our team moved routes from overhead structures to underground duct banks which resulted in \$15 million of savings in structural steel for the client.

- Calculated underground ampacity of medium voltage conductors using applicable code (NEC and IEC) and AMPCALC software for cases not explicitly covered by code. Also wrote custom library files for AMCPALC to match cable cut sheets from cable manufacturers.
- Calculated pulling tension for underground conductors in conduit using polywater pull planner software.
- Planned medium voltage concrete encased duct bank routes including generating markups for Revit designers and coordinating clashes with other engineering disciplines.
- Worked extensively in Revit generating and updating one lines for power distribution throughout the site from the utility interface at the distribution transformers and downstream to air and gas insulated switchgears.
- Used Revit tools to automate adding up over 90 kilometers of medium voltage conductors on site as part of a project deliverable including classification by voltage, conductor size, and location.

United States Coast Guard, Logistics Specialist - Sacramento, CA - December 2012 to February 2017

Summary: Assigned to Air Station Sacramento Supply Office where responsibilities included team supervisor, budgeting, procurement, and contract preparation.

- Used Oracle based government accounting systems to validate and track all transactions for the unit including balancing budgets for energy funds, operating funds and travel funds. included reviewing over 10,000 line items per year in three accounts totaling over \$4.6 million in transactions.

- Coordinated across agency lines with Defense Logistics Agency to increase delivery rate of 24-hour emergency requirements from 50% success rate to 100% success rate.
- Completed over 475 government purchase card transactions valued at \$190,000 as well as preparing a separate folder for each to meet audit compliance on all government requirements. Able to maintain 100% audit compliance on 9 external purchase card audits over a 4-year period.
- Placed over 3,000 requisitions with government ordering systems for maintenance supplies which included tracking 24-hour, 15-day and 30-day follow ups for all requisitions placed based on customer need.
- Direct contract preparation and market research for supply contracts up to \$25,000 and service contracts up to \$10,000 including excel based quote analysis.

United States Coast Guard, Seaman - Seattle, WA - Feb 2011 to Dec 2012

Summary: Assigned to US Coast Guard Cutter Polar Star in the deck department.

- Assigned as a damage control petty officer and was in charge of keeping track of all weekly, monthly and annual maintenance requirements for critical fire safety equipment including firefighting suits, hoses, and installed firefighting systems. Ran sand blaster training and preventative maintenance program.

Awards:

- Attended Airman Leadership School and was awarded Distinguished Graduate for being in the top 10 percent of my class as well as being one of five nominees for the Commandants Leadership Award.
- Voted as Airstation Sacramento Enlisted Person of the Quarter for exceptional work performance and performing Honor Guard Ceremonies in the Sacramento region.

References Available Upon Request