

ANDREW VOCAIRE-TRAMPOSCH

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EXPERIENCE

INSTRUMENT & ELECTRICAL ENGINEER at Chevron Richmond Refinery

July 2014-present | Richmond, CA

The Chevron Richmond Refinery is a 116-year-old oil refinery processing upwards of 260,00 barrels of crude oil per day. The primary products are motor gasoline, jet fuel, diesel fuel & lubricants, which are distributed globally. I was hired into the Designs Engineering department to support the refinery's instrumentation & electrical distribution systems from a technical perspective. During my tenure I've led numerous multi-discipline projects from start to finish, provided detailed reviews of construction packages, and provided on-call support for all instrumentation, control system and electrical distribution equipment throughout the refinery.

ELECTRICAL DISTRIBUTION INTERN at Pacific Gas & Electric

June 2012-September 2012 | San Jose, CA

Pacific Gas & Electric is an electric and natural gas utility providing services to Northern California since 1905. I was hired into the Electrical Distribution planning department to shadow an Electrical Distribution Planning engineer and lead my own projects for the 2012 summer. I spent most of my time analyzing complex load data from multiple networks to forecast future demand, completing new designs and evaluating system reliability and impact for a distribution planning area of over 500MW. I provided daily support to operations for outages including switching plans and decision making to limit customer outage time.

EDUCATION

California Polytechnic State University

June 2014 | San Luis Obispo, CA

Bachelor of Science in Electrical Engineering, GPA 3.59

Cum Laude

ACHIEVEMENTS / CERTIFICATIONS

Registered California EIT: License #165005, passed PE exam 5/2019

Lead I&E Engineer for 3 Major Richmond Refinery Shutdowns – 2016, 2018, 2019

Team Lead for Max Tech & Beyond- DOE ultra-low power appliance design competition

IEEE & Eta Kappa Nu Member, 2011- present

TECHNICAL SKILLS

AutoCAD, ETAP, Solidworks, Visual Studio Code

Python, C, C++, Java, Javascript, HTML, CSS, Liquid, Structured Text, Ladder Logic

Linux, MacOSX, Windows, bash, zsh, PowerShell, git

Distributed control system programming, hardware & system architecture

SOFT SKILLS

German (language), Analytical Thinking, Leadership, Communication, Time Management, Decision-Making, Attention-to-Detail, Problem Solving, Creativity.