



CURRICULUM VIATE JOSHUA J. CAMPBELL, P.E.

AREA OF SPECIALIZATION

Josh Campbell is a licensed Electrical Engineer in the State of California specializing in failure analysis resulting in fires involving commercial entities and residential occupancies. Josh also provides a diverse experience in municipal electrical utility engineering projects, including project design for various capital improvement projects, project management, system planning and contingency studies to FCA's clients.

Mr. Campbell holds a Bachelor of Science degree in Electrical and Electronic Engineering from California State University Sacramento. He is also a decorated veteran who served nearly five years in the United States Marine Corps, attaining the rank of Sergeant, and deployed to Afghanistan in support of Operation Enduring Freedom.

Professional Experience

Forensic Electrical Engineer, October 2020 – Present

Fire Cause Analysis

Specializes in the investigation of electrical failures, including malfunctions, outages, electrical shocks, arcing faults and fires of electrical origin.

Power Engineer, June 2018 – Present

Roseville Electric Utility, Roseville CA

- Design and prepare plans and specifications for the construction of electric transmission, distribution, and substation projects.
- Prepare requests for bids and proposals for equipment and professional services.
- Identify solutions for solving design, construction, maintenance and operational issues.
- Perform short circuit and load flow studies, summarize results and prepare technical reports.
- Create protective relay settings and perform coordination studies.
- Exercise technical supervision over drafters and field staff.
- Assess proposed outages and switching schedules for compliance with contingency requirements.
- Prepare cost estimates and manage project budgets.

US Bureau of Reclamation, May 2017 – January 2018

- Perform basic engineering calculations, execute market research, and draft drawings and schematics as part of the electrical design process for projects throughout California.
- Write project specifications to ensure proper implementation of the project design criteria.
- Review submittals from the project contractor to ensure that the requirements of the project specifications are met.

FIRE INVESTIGATION ◊ FORENSICS ◊ FIRE SCIENCE & ENGINEERING

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Data Network Technician and Supervisor, January 2010 – July 2014
Corps

United States Marine

- Set up and maintain digital communications networks to support unit exercises both in the US and Afghanistan.
- Maintain accountability and maintenance of computer and network equipment as well as classified control items.
- Provided accountability, mentorship and career guidance to a work section of 27 Marines.

Education

California State University Sacramento, Sacramento, CA

Bachelor of Science – Electrical and Electronic Engineering, May 2018

Sierra College, Rocklin CA

Associate of Science – Natural Science, May 2015

Certifications

- **Licensed Professional Engineer (CA Electrical #23393)** September 2020
California Board for Professional Engineers, Land Surveyors and Geologists

Training

- **Arc Mapping Basics** October 2019
cfitrainer.net, 4 credit hours, Tested
- **Residential Electrical Systems** October 2019
cfitrainer.net, 4 credit hours, Tested
- **Basic Electricity** October 2019
cfitrainer.net, 4 credit hours, Tested
- **Thermometry, Heat, and Heat Transfer** October 2019
cfitrainer.net, 3 credit hours, Tested
- **Understanding Fire through the Candle Experiments** October 2019
cfitrainer.net, 4 credit hours, Tested
- **Residential Natural Gas Systems** October 2019
cfitrainer.net, 3 credit hours, Tested
- **Investigating Natural Gas Systems** September 2019
cfitrainer.net, 3 credit hours, Tested
- **Digital Photography and the Fire Investigator** September 2019
cfitrainer.net, 4 credit hours, Tested
- **Fire Chemistry** September
2019
cfitrainer.net, 3 credit hours, Tested
- **Fire Investigator Scene Safety** September 2019
cfitrainer.net, 3 credit hours, Tested
- **Electrical Safety** September 2019
cfitrainer.net, 3 credit hours, Tested

- **Fundamentals of Residential Building Construction** September
2019
cfitrainer.net, 3 credit hours, Tested
- **Charting Your Career Path in Fire Investigation** September
2019
cfitrainer.net, 3 credit hours, Tested