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# *David Chavez*

## *Objective*

Seeking a position utilizing, current job experience and educational coursework, which have enabled me to develop the technical skills and the business acumen of an experienced electrical engineer. Specialized in electrical design distribution of power systems and lighting controls with architectural coordination. Possessing strong analytical, problem-solving, and decision-making skills as a team player respected for initiative, enthusiasm, and disciplined approach to the task at hand.

## *Experience*

**Davidovich & Associates** **Culver City, Ca.** **May 2015**

*Electrical Project Engineer*

- Design and engineer electrical, lighting and power systems to meet the needs of client companies with complex and specialized requirements for adequate load density and foot candle illumination, including LEED green building compliance.
- Serve as Electrical liaison on a variety of projects, including commercial, institutional, educational, industrial, healthcare, entertainment and residential projects. Perform load calculations and modify designs and specifications to comply with related specialty codes, client requirements and budgets.

**Hampton Tedder Technical Services** **Montclair, Ca**. **March 2013 - November 2014**

*Electrical Engineer*

- Project Management (i.e. prepared excel and or MS project job schedules, reviewed pre-bid qualification documents and assemble, prepared excel spreadsheets of job costs, communicated effectively to other electrical customers and contractors, processed test reports)
- Responsible person for all Estimating regarding High Voltage Acceptance Testing. (i.e. read drawings, prepared bids, performed submittals, prepared estimates).Oversees. Review Change Request's and As-Builds with AutoCAD Single–Line design tools. Performed Over current protection studies (short circuit studies, protective device coordination, and arc flash analysis and harmonics analysis based on single line diagrams using SKM power tools and ETAP).
- Prepares engineering reports for High Voltage Acceptance Testing based on NETA and IEEE standards from field data collected and recorded by NETA Certified Test Technicians.(i.e. partial discharge, Thermographic surveys, MV Switch Gear, MCCB's, ICCB's, MV Transformers Dry type and Liquid filled, Load Flow recordings and Automatic Transfer Switch testing, 230-500KV Substation Utility Commissioning)

**SKM Systems Analysis Inc.** **Redondo Beach, Ca.** **March 2012 - September 2012**

*Electrical Engineer*

- Single line architecture design and analysis using SKM Power Tools for Windows software for modeling schematics of power generation, transmission, and distributed systems, load flow-analysis, short circuit studies, voltage drop and power calculations, transient stability, optimal power flow analyses, current coordination studies, library modeling and arc flash analysis
- Modeled power protection devices for the general SKM libraries per clientele request (i.e. fuses, thermal magnetic breakers, solid state breakers and relays)

## *Education*

**California State University, Long Beach** **Graduate August 2011**

Bachelor of Science Electrical Engineering Power Transmission Emphasis

**California State University, Long Beach** **expected Spring 2017**

Master of Science Electrical Engineering Power Protection Emphasis

## *Fall 2016 Course Work*

***• EE 583 Digital Image Processing***

Acquiring Images. Correcting Imaging defects. Image enhancement. Segmentation and thresholding. Processing Binary images. Tomography. Three dimensional Imaging. Some image data compression techniques.