

Garrett Galyen, PE Electrical

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Objective:

To obtain a Senior Electrical Engineering position. I seek a position that will allow me to grow myself in the areas of electrical design, overall skills, learn new skills, and gather additional knowledge. I seek a position that will allow me to broaden myself. I am looking to define my career path further and develop my professionalism.

Education:

University of Nebraska – (Omaha) – Peter Kiewit Institute
Major: Architectural Engineering – with Electrical Engineering emphasis
Degree Date: Spring 2007
FE: 2006 via exam
PE: California – 2016, other states since 2020: NE, IA, NM, NY, MN, TX.

***I can obtain a PE in any state**

Work Experience:

June 2023 – Present Present Employer

- Completed construction documents for the USPS upgrade program.
- Trained, completed documents, and lead team for the Walmart upgrade initiative.
- Advised, monitored, and assisted with a campus rebuild (multiple buildings within a campus).
- Continued to develop designs for medical buildings, ORs, Exam Rooms, and special use rooms.
- Developed skills in completing proposals.
- Acquired additional knowledge with solar (PV), high voltage, substation, and city development designs.
- Improved knowledge and designs for multi-purpose/mixed use buildings.
- Researched project funding sources (DOE, LEED, meeting requirements for funding, and etc.).
- Improved on Garage designs (i.e. parking areas, multiple levels, lighting, EV charging and power).

Taitem Engineering (Ithaca, NY): (Remote Position) – Senior Electrical Engineer

Feb. 2022 – May 2023

- Developed companies standards. Improved existing company standards, porocesses and procedures.
- Developed and improved on residential project requirements.
- Researched project funding sources (DOE, LEED, meeting requirements for funding, and etc.).
- Trained teams on engineering, Revit, AutoCAD, wordsmithing, and various office skills.
- Continued success in developing projects.
- Researched and developed projects with New York codes and requirements.
- Assisted in finding solutions for variable power supply (utility experiences many power outages).
- Converted buildings from one use to another (i.e. manufacturing building to living facility).
- Improved knowledge and designs for multi-purpose/mixed use buildings to include living/hotel rooms.
- Acquired additional knowledge with solar (PV), high voltage, substation, and city development designs.
- Updated design knowledge for tenant buildings, multifamily, and townhouses.

SSR (Dallas, TX); (Remote Position) – Engineer/Designer

March 2021 – November 2021

- Completed construction documents for multiple hospital, hospice, exam rooms, and medical campuses.
- Completed Construction documents for commercial buildings (i.e., Starbucks shops, USPS strip mall locations, restaurants, offices, mixed-use, and similar types of projects).
- Trained, completed documents, and developed designs for special equipment (X-ray, surgical, and medical).
- Updated knowledge on emergency power requirements for medical facilities.
- Developed a process for injecting Revit 1-line drawings into SKM.
- Improved company standards and processes.
- Coordinated special electrical requirements for medical equipment (i.e., pyrix, medical karts, and etc.).
- Reviewed cost of installation and construction.
- Reviewed existing buildings to be updated, renovated, and re-designed to meet current code.
- Conducted peer review of other companies' designs, builds, and construction processes.
- Incorporated design-build techniques into design consultant approaches.
- Managed multiple medical campus upgrades, retrofits, and new buildings.
- Conducted a large feasibility study of an entire medical campus for potential upgrades site walks.

Sprig Electric (San Jose, CA) – Engineer/Designer

February 2018 – January 2020

- Integrated consultant design approaches into design build design approaches.
- Completed Construction documents for large commercial buildings.
- Worked with high-end clients (i.e. Google, Adobe, Gameloft, University of Berkely, NVIDIA, and ect).
- Improved company standards (i.e. improved symbols, sheet notes, and constructability of drawings).
- Conducted meetings with AHJ and plan checkers. Developed a QA/QC procedure to address AHJ comments.
- Gained a better understanding of a project from the contractor's point of view.
- Extended designs further into construction and installation phase.
- Developed a process and protocol that others can follow to ensure typical project requirements are met.
- Improved on designs for mission critical facilities.
- Researched and adopted designs to meet 2018 code changes (T24, NEC, Calgreen, and etc.).
- Trained co-worker on full fire alarm designs.
- Aligned consultant design approaches with design-build approaches.
- Increased the constructability of construction documents.
- Improved knowledge of mission critical facilities.

Integral Group (San Jose, CA) – Engineer/Designer

October 2013 - February 2018

- Created construction documents for many types of commercial buildings.
- Further improved on AutoCAD and Revit skills.
- Increased skills in developing scope of work documents and proposals.
- Developed Basis of Design documents for plan check and design summaries.
- Reviewed and advised on scope changes from owner, contractor, and internal.
- Advised on cost additions due to scope changes from contractor.
- Assisted in negotiating cost changes.
- Worked with architect and installers to ensure equipment rooms are properly sized.
- Evaluated lighting calculation for rooms, site, and special purposes.
- Developed fire alarm design for deferred submittals and full design.
- Worked Directly with the Department of State Architects (DSA) to ensure designs meet requirements.
- Trained and develop designs for mission critical facilities.
- Conducted site walks at all project stages of construction.
- Researched and developed designs for NET ZERO.
- Designed full fire alarm systems (detection and notification).

Huseman and Associates (Metairie, LA) – Engineer/Designer.

February 2012 - October 2013

- Created construction documents for fast turn-around projects (2-4 week turnaround).
- Managed several story high-rise installations (Core and Shell Design).
- Designed each floor in a high rise for tenant installation.
- Developed projects for the FEMA reconstruction effort.
- Separated scope of work and funds across several different electrical contractors.
- Evaluated existing building for renovation opportunities.
- Advised on systems to remain unaltered, renovated, complete demolish, and replaced.
- Researched and developed designs for large conferences (Ted Talk, Tech Talk, AV design, and etc).
- Designed with Crestron and Lutron AV+Lighting controls systems.
- Developed projected based on multiple funding sources (different entities funded different portions of projects).
- Made drawing notations to clarify what portions of the project are to be funded by different sources.

Bridgers and Paxton (Albuquerque, NM) – Engineer/Designer.

July 2009 - November 2011

- Created construction documents for schools, restaurants, historical, and many commercial buildings.
- Improved on AutoCAD and Revit skills.
- Investigated potential LEED credits for projects.
- Designed multiple building for a government testing facility campus.
- Researched and designed with Wattstopper DLM system.
- Researched equipment installation processes.
- Provided guidance to contractors.
- Developed designs for government labs, campuses of many types of buildings, K-12, historical renovations, and many other types of commercial projects.
- Developed Full fire alarm designs.

Computer Skills:

Microsoft Office; Word, Excel, Notepad
Revit 2010-Present Version
AutoCAD 1994-Present (MEP tools)
Bluebeam
Navisworks (4 years)
ComCheck (4 years)

Visual Lighting Software (10 Years)
AGI32 (10 Years)
Lumen Tools (4 Years)
Power Point
ProCore (2 years)
UpCodes (2 years)

Revit Design Master
SKM (10 Years)
EDSA (4 Years)
MicroStation V8 (4 Years)
SpecLink (4 years)

Honors and activities:

Member of AEI
Contributed to NEC
Member of the Lumen Society
Attended trade shows to update knowledge on products and equipment.