

PEJMAN AZIZZADEH

Electrical Engineer | MSEE, EIT

Atlanta, GA • (818) 724-1199 • Pegi2500@gmail.com

pejmanazizzadeh.com • [linkedin.com/in/pejman-azizzadeh-msee-eit-370b13143](https://www.linkedin.com/in/pejman-azizzadeh-msee-eit-370b13143)

PROFESSIONAL SUMMARY

Electrical Engineer (MSEE, EIT) with 5+ years of experience in power system studies and electrical design across aerospace, DOE nuclear, utility, commercial, and medical device industries. Skilled in arc flash, short circuit, and load flow analysis using SKM PowerTools and ETAP; power and lighting design in Revit; and photometric analysis in AGi32. Applies NEC and industry standards to deliver code-compliant, well-coordinated designs. Currently pursuing PE licensure.

PROFESSIONAL EXPERIENCE

- BRPH | Atlanta, GA** Sept 2025 – Present
Electrical Engineer II – Aerospace clients including Boeing and Lockheed Martin
- Perform arc flash, short circuit, and load flow studies using SKM PowerTools for Boeing aerospace facility projects.
 - Design power and lighting systems in Revit as part of multidisciplinary MEP design teams.
 - Complete lighting and photometric analysis using AGi32/Visual to meet illumination requirements.
 - Apply NEC and applicable industry standards throughout design and study deliverables.
- Enercon Services | Kennesaw, GA** Jan 2024 – Sept 2025
Electrical Engineer – DOE nuclear projects
- Delivered electrical design for DOE projects at the Savannah River Site (SRNS/SRMC) and Hanford Site (H2C / WRPS), including SY-Farm Waste Transfer System Upgrades and Hanford Tank Waste Operations & Closure.
 - Designed tank farm underground conduit layouts and details, cable and conduit schedules, the Control Room layout, and one-line diagrams for the Flush Water Skid.
 - Conducted power system studies using SKM PowerTools and ETAP.
 - Performed tank farm lighting calculations in AGi32 to meet illumination standards and energy-efficiency requirements.
 - Resolved interdisciplinary clashes in the Revit model, improving design coordination and accuracy.
 - Managed project data in SmartPlant Foundation (SPF); planned and executed tasks and compiled design references.
- CBRE | Atlanta, GA** Mar 2023 – Jan 2024
Electrical Design Engineer
- Performed arc flash, short circuit, and load flow studies using SKM PowerTools.
 - Designed power and lighting systems for commercial facilities in Revit.
- Medtronic | Northridge, CA** Feb 2022 – Feb 2023
Electrical Engineer
- Built, tested, calibrated, and troubleshoot electrical equipment, components, and systems for medical device operations.
 - Worked from schematics and engineering drawings to diagnose faults and maintain equipment performance.
- FirstEnergy Corp. | Akron, OH** Aug 2020 – Nov 2020
Co-op, Transmission Planning & Protection
- Validated transformer ratings in PT Load against design specifications and field reports.
- Hi Tech Era, Inc. | Glendale, CA** Jan 2020 – Aug 2020
Electrical Engineer
- Performed arc flash studies for Riverside water control facilities.
 - Designed and analyzed single-line diagrams using ETAP.
- MGM Transformer Company | Commerce, CA** Aug 2019 – Jan 2020
Design Engineer
- Designed low-voltage transformers.

TECHNICAL SKILLS

Power Studies: SKM PowerTools, ETAP, PowerWorld – arc flash, short circuit, load flow
Design & BIM: Revit, BIM, AutoCAD, AGi32/Visual (lighting & photometrics), SmartPlant Foundation
Analysis: MATLAB/Simulink, PSpice, analog and digital circuit design
Controls & Test: PLC ladder logic, HMI; oscilloscopes, spectrum analyzers, function generators, multimeters
Codes & Standards: National Electrical Code (NEC) and applicable industry standards

EDUCATION & LICENSURE

M.S., Electrical Engineering – California State University, Northridge May 2023
B.S., Electrical Engineering – California State University, Northridge May 2019
Engineer in Training (EIT) • Pursuing Professional Engineer (PE) licensure