

Souzane Layachi

Project Engineer

Thorough and meticulous electrical engineer passionate about helping businesses succeed. Possessing strong technical skills rooted in substantial training as an engineer.



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Chevy Chase, MD

WORK EXPERIENCE

Electrical Designer Integral Group

03/2018 – Present

Achievements/Tasks

- prepared electrical plan layouts, single line diagrams, associated details, and schedules using computer-based programs, including load calculation, short circuit calculation (SKM), voltage drop calculation (SKM), generator sizing and lighting calculation (Visual).
- Participated in system assessments and feasibility studies that turned into design projects.

Low Voltage Designer CallisonRTKL

01/2015 – 03/2018

Achievements/Tasks

- Prepared routine design tasks, site surveys, and estimates for multiple projects ranging from hospitality, government, and healthcare.
- Worked under project lead to deliver 100% security systems construction documents using REVIT software and Autocad.
- Participated in maintenance, and monitoring of cellular Distributed Antenna Systems (DAS) using Ekahau and IBwave.

Analog Engineer Intern Lutron Electronics

01/2014 – 08/2014

Achievements/Tasks

- Developed with senior engineers existing hardware of Lutron LED drivers and fluorescent ballasts.
- Gathered production data, sought out trends and patterns to brainstorm options to reduce false failures.
- Followed Team Agile methodology. Projects involve design and coding in Java with SQL database manipulation.

EDUCATION

B.S., Electrical Engineering Virginia Tech University

08/2010 – 12/2013

Data Analytics and visualization George Washington University

10/2018 – Present

SKILLS

Revit

AutoCad

Advanced Excel

VBA

Tableau

JavaScript

Node.js

Git

BlueBeam

AGI32

IBwave

Ekahau

Pandas

PlanGrid

PROJECTS

US. Capitol Building

- Telecommunications Designer, cellular and Wi-Fi reinforcement infrastructure design and installation for the U.S. Capitol Building.

George Mason University

- Create spaces using Visual to execute photometric analysis of areas, tailored electrical power and lighting drawings, risers, 1-line diagrams, and specifications.

City Center DC Hotel

- Assisted managers with preparation of proposals, scope of work ,RFIs, and change of orders.

Museum of The Bible

- Ensured contract documents logs are maintained and updated as need. Wrote notes, and minutes from meetings that clearly communicated actions and decisions.

District Wharf

- Coordinated and delivered design development drawings consisting of camera coverage and access control system .

CFPB

- Interacted with clients and sub contractors from various disciplines and gained knowledge in project development process from concept through construction.

LANGUAGES

English

Native or Bilingual Proficiency

French

Native or Bilingual Proficiency

Arabic

Native or Bilingual Proficiency