

Nicholas Mingura

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Career Summary

- Experienced electrical designer of two years in photovoltaic and energy storage systems across the US.

Experience

ENERGY SYSTEM DESIGNER 3 | TESLA | OCTOBER 2021 - PRESENT

- Designs in strictest authority holding jurisdictions to reduce rejection rate as well as reduce the requirements that are needed for future permits. Earned performance award for keeping high output with great quality, in 2020 and 2021.

ENERGY SYSTEM DESIGNER 2 | TESLA | NOVEMBER 2019 – OCTOBER 2021

- Design code NEC compliant residential photovoltaic and energy storage systems using AutoCAD.

Education

BACHELOR OF SCIENCE IN ENGINEERING | DECEMBER 2019 | UNLV

- Major: Electrical Engineering
- Related coursework: Circuit Design, Power Engineering, Photovoltaic System and Design, Analog Circuits, Digital Circuit Design, Electronics, Signals and Systems, and Electro Magnetics
- Awarded 1st place in senior design competition for a solar powered water filtration system.

Skills & Abilities

SOFTWARE

- MATLAB, LTSpice, EAGLE, Microsoft Office, Windows OS and MAC OS, Python, AUTOCAD, Cadence,

PROBLEM SOLVING

- Creates new AutoCAD blocks and templates for new permitting requirements for other designers to use or reference. Evaluates and corrects any existing electrical code or safety violations for permit inspections.

COMMUNICATION

- Coordinates with permitting team and authority holding jurisdictions to get plans passed and simplify requirements needed on plans. Reduce redesigns or cancelations by communicating with sales to ensure customers needs are met or describe system limitations.

LEADERSHIP

- Reviews and helps train new team members to ensure that process and quality remain high. Additionally answer all questions to ensure all information is necessary communicated.