

KEVIN NAKAMURA

ELECTRICAL ENGINEERING TECHNICIAN

CONTACT

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🏠 Chandler, AZ

🌐 linkedin.com/in/kevinnakamura

SKILLS

- Wiring Diagrams
- Oscilloscopes
- Signal Generators
- Multimeters
- Soldering
- Python
- Excel
- PowerPoint
- Word
- Attention to Detail

EDUCATION

Associate of Applied Science

05/2021

Mesa Community College
Mesa, AZ

Electrical Engineering
Technology

CERTIFICATES

NFPA 70E Electrical Safety in the Workplace

10/2022

National Fire Protection
Association

SUMMARY

Electrical Engineering Technician with 5 years supporting design engineers in power electronics and motor control labs. Builds prototypes from wiring diagrams, characterizes circuits with oscilloscopes and signal generators, and automates bench measurements in Python. Turns raw lab data into Excel reports that engineers can use the same day.

EXPERIENCE

Electrical Engineering Technician

02/2023 - Present

Sonoran Power Controls

Chandler, AZ

Design lab for industrial motor drives and solar inverters.

- Build and solder prototype drive boards and harnesses for **12** new product designs a year.
- Measure switching circuits with oscilloscopes, signal generators and power analyzers, logging 400+ test points per design.
- Write Python scripts that control bench instruments, cutting a 6-hour efficiency test to 90 minutes.
- Summarize results in Excel and PowerPoint for design reviews, flagging 3 thermal issues before production release.

Electrical Technician

06/2021 - 01/2023

Desert Valley Electric Systems

Tempe, AZ

Control panel builder for water treatment and manufacturing plants.

- Wired and tested **80+** control panels from wiring diagrams to UL 508A shop standards.
- Checked continuity, insulation and voltage with multimeters and megohmmeters before every panel shipped.
- Updated Word test procedures for 5 panel families after engineering changes.
- Coordinated 2 factory acceptance tests a month with customers and project engineers.

Electrical Engineering Intern

05/2020 - 08/2020

Salt River Automation

Phoenix, AZ

Summer internship with an industrial controls integrator.

- Tested **30** PLC I/O modules and recorded pass/fail results in Excel for the controls team.
- Updated 15 panel wiring diagrams from field markups in AutoCAD Electrical.
- Designed a simple harness test fixture that cut continuity check time 40%.
- Documented the fixture in a 2-page test guide used by the next 3 interns.