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# QADIS CHAUDHRY, EIT

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## EXPERIENCE

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### Electrical Engineer

*Burns Engineering Inc.*

Jul. 2024 - present

*New York, New York*

- Aided a team of 17 in the creation of design documents and the functional reports of 11 airports across the United States for United Airlines Full Electrification initiative.
- Designed enhanced charging network allowing for the addition of 196 ports to Terminal C at Newark Liberty International Airport for the use of United Airlines' ground support equipment.
- Evaluated current and future equipment needs across 62 United Airlines airport facilities, projecting goals over five milestone timeframes to support carbon neutrality and full electrification initiatives.

### General Contractor

*Independent*

May 2024 - Jul. 2024

*Monroe Township, New Jersey*

- Executed on-site electrical installations, including wiring, panelboard installation, and system troubleshooting, ensuring optimal functionality and compliance with safety regulations.
- Supported framing, drywall installation, and other structural tasks, contributing to seamless project progression and adapting to dynamic construction site demands.
- Collaborated directly with subcontractors and suppliers to source materials, troubleshoot challenges, and maintain seamless progress on construction timelines.

### Electrical Engineering Associate

*Burns Engineering Inc.*

May 2023 - May 2024

*Philadelphia, Pennsylvania*

- Influenced construction and design of electrical systems and lighting coordination within new healthcare infrastructure consisting of over three hundred inpatient beds.
- Constructed and finalized plans for relocation of a power distribution system and the renewal of branch distribution systems at Philadelphia International Airport.
- Composed single line diagrams and conducted site verifications for connections and metering, for the indexing of various distribution substations.

### Electrical Test Assistant

*Alkhair Enterprises*

Apr. 2021 - May 2023

*Haledon, New Jersey*

- Aided in the installation and operation of electrical equipment and machinery along with a group of five experienced tradesmen. Involved navigation of 208-660V induction motors and respective loads.
- Led effective solutions in the design process of electrical installations increasing production by 35% and fostered aid in fabrication and troubleshooting.
- Specialized in installing and maintaining step-up and step-down transformers, identifying faults, and implementing effective solutions to ensure reliable operation.

### General Contractor

*Independent*

Jan. 2016 - Jul. 2020

*Brooklyn, New York*

- Conducted detailed hands-on inspections of electrical and structural components, proactively identifying issues, implementing immediate repairs, and ensuring strict adherence to safety and quality standards.
- Operated and maintained a wide range of power tools and equipment, optimizing safety protocols while achieving precision and efficiency in construction tasks.

## EDUCATION

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### Rutgers University - Graduate School of Engineering - Masters of Science

Specialization: Solid State Electronics and Systems and Controls

Sept. 2024 - present

### Rutgers University - School of Engineering - Bachelors of Science

Sept. 2020 - May 2024

## TECHNICAL STRENGTHS

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### Languages

Fluent: English, Urdu, Hindi, Punjabi; Partial: French, Arabic

### Engineering Design

AutoCAD, Revit, AGI32, KiCAD, SPICE, PowerWorld, MATLAB/Simulink

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