

Missael Sahagun

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Electrical Engineering Candidate

A well-qualified electrical engineer with experience R&D, programming, electrical troubleshooting, and design

Work Experience

Electrical Engineer

CROWN ERAM - Crown Point, IN

May 2019 to May 2020

- Tested Transformers in the field
- Troubleshooted and tested circuit breakers
- Assessed operation of electromechanical and microprocessor-based protective relays
- Designed a power supply to control multiple circuit breakers
- Created relay connection diagrams on AutoCAD

R&D Engineer

PREGIS - Thornton, IL

April 2018 to April 2019

- Sourced and procured resistors, diodes, and other electrical parts to be replaced on the circuit in the event of failure
- Tested packaging materials under water pressure & detailed failures
- Compiled & analyzed data and produced technical reports

Education

Bachelor of Science in Electrical Engineering

Purdue University Northwest - Hammond, IN

Skills

- NFPA 70E
- OSHA 10
- Switchgear Proficiency
- Troubleshooted and created a unique electrical schematic for a circuit breaker that was not operating correctly and functioned differently from other similar breakers
- Improved blower functionality and ease of use for the HMI of an automatic machine using C++
- Troubleshooting
- Electrical Schematics
- Technical Reports
- Testing

- Design
- Electronic Equipment Maintenance
- Data Collection
- Creative Problem Solving
- Organization
- Hands-on
- Programming Certifications include:

Certifications and Licenses

OSHA 10