

# Irving F. Sanchez

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(815)-517-2773

Glen Ellyn, IL

*Dedicated Computer Engineering undergraduate and US Air Force veteran with 10+ years' expertise in electrical systems as an accomplished electrician. I bring a unique blend of technical skills, hands-on experience, and disciplined work ethic to drive innovative solutions in computer engineering projects.*

## EDUCATION

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### **Lewis University – BS. Computer Science, Minor in Mathematics**

2024

Romeoville, IL

### **Community College of the Air Force – Cert. Electrical Systems**

2011

Sheppard AFB, TX

## WORK EXPERIENCE

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### **United States Air Force – Journeyman Electrician**

Dec 2010 - May 2023

Goldsboro, NC

- Troubleshoot high and low voltage electrical systems on military base infrastructures
- Maintained substation and underground power distribution systems
- Installed and wired electrical components for residential and industrial facilities
- Led Airman in electrical work orders provided by shop foreman for base projects
- Certified bucket truck technician, and demolition class vehicles
- Read and interpreted wire diagrams and schematics
- Ensured airline lighting and electrical grids were properly functioning and running for air traffic control
- Attained electrical journeyman certification and security clearance

### **Flow Pro Inc – Electrician**

Oct 2018 – Aug 2019

Romeoville, IL

- Analyzed and interpret wire diagrams for magnetic filtration systems
- Assembled electrical control panels and high voltage relay grids
- Collaborated with the electrical engineer in charge of projects
- Owned and maintained proper electrical tools and personal protective equipment

### **BW Container System – Electrician**

Apr 2018 – Oct 2018

Romeoville, IL

- Assembled electrical panels for food and beverage conveyer lines
- Wired PLC and classic relay systems for automation packaging
- Read and interpreted wire diagrams and schematics
- Troubleshoot and collaborated with lead engineer to ensure proper fluidity

## **Felsomat USA Inc. – Electrician**

Oct 2017 - Apr 2018

Schaumburg, IL

- Assembled and wired laser cutting automation assembly lines
- Assembled and wired electrical control panels and high voltage relay grids
- Wired PLC electrical systems for automation line and programmable robotic arms
- Worked with computer programmer to ensure proper function of all electrical components
- Installed and wired input/output components for PLC and relay systems

## **Messina Group – Electrician & Mechanic**

Jul 2017 – Sep 2017

Logan Square, IL

- Assembled industrial washer and dryer machines
- Worked with industrial machine tool and dye equipment
- Wired multi-panel electrical control enclosures
- Owned and maintained proper electrical and mechanical tools
- Read and interpreted wire diagrams for electrical assembly

## **Thyssenkrupp Engineering Inc. – Electrician**

Sep 2016 – Apr 2017

Auburn Hills, MI

- Assembled & wired robotic automobile automation lines for (GM, Ford, and Chrysler)
- Wired electrical conveyer systems and power distribution control panels
- Installed input/output components, and PLC systems
- Collaborated with C++ programmers for proper functionality of assembly lines
- Read and interpreted wire diagrams for electrical assembly
- Troubleshoot electrical or mechanical errors from installation of automation lines

## **SKILLS**

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Fluent in Spanish; Works Well Under Pressure; Object-Orientated Programming; Java, C++, Python; Hi-Lo Voltage Electrical T/S; Control Systems; Computational Mathematics; Microsoft Office Suite; Teamwork Orientated