IrvingFSanchez@proton.me

Glen Ellyn, IL

(815)-517-2773

*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.*

**Irving F. Sanchez**

**EDUCATION**

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

2024

Romeoville, IL

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

2011

Shepperd AFB, TX

**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

**WORK EXPERIENCE**

**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

**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**

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