

Contact:Email: Zelalem13smith@gmail.com
LinkedIn: [linkedin.com/in/zelalems-863776180](https://www.linkedin.com/in/zelalems-863776180)
Portfolio: zeleselam13.pythonanywhere.com/index.htm

Experience

Tesla – Maintenance Technician | Sparks, NV | May 2023 - Present

- ❖ Conducted robotic recovery operations, troubleshooting Fanuc robotic systems to minimize downtime and enhance operational efficiency.
- ❖ Performed teardown and replacements for dresspacks, servos, and wipers in robotic systems to ensure optimal performance.
- ❖ Developed and executed PLC logic adjustments to optimize automation processes and power efficiency.
- ❖ Utilized Equipment Management Systems and Electrical Power Management Systems to monitor and enhance production.
- ❖ I improved robotic system reliability by identifying and resolving mechanical failures, reducing downtime by 15% through root cause analysis.

A & Y Group LLC – Shipping Clerk | Los Angeles, CA | Nov. 2020 – May 2022

- ❖ Provided exceptional customer service to online shoppers, addressing inquiries and resolving issues promptly
- ❖ Assisted customers with product selection, order placement, and tracking shipments to ensure a seamless shopping experience
- ❖ Maintained accurate records of customer interactions and transactions using CRM software
- ❖ Achieved a 35% increase in positive feedback ratings through personalized interactions that exceeded customers' expectations
- ❖ Assisted in training new hires on customer service procedures, ensuring consistent delivery of excellent service standards
- ❖ Processed and prepared shipping documents, including bills of lading, invoices, and customs forms
- ❖ Verified the accuracy of shipment contents by comparing information on packing slips with purchase orders

UPS – Supervisor | Mission, KS | June 2018 – June 2019

- ❖ Accurately managed payroll processes, ensuring accurate timestamps.
- ❖ Oversaw shift operations of the outbound, managing a team of 10 to 15 employees per shift
- ❖ Developed safety protocols around the work zone, resulting in zero workplace accidents for eight consecutive months
- ❖ Trained new hires on proper equipment operation and safety lifting/lowering methods
- ❖ Assigned tasks based on workload priorities and employee skills

- ❖ Monitored employee performance, providing feedback and coaching as necessary for continuous
- ❖ improvement
- ❖ Demonstrated strong leadership skills by example and motivating the team to achieve performance
- ❖ targets consistently
- ❖ Collaborated with cross-functional teams to ensure and meet dispatch time for drivers

Educations / Trades:

TMCC: Trade/Certificate in Industrial Manufacturing & Engineering Technologies (Aug 2023)

- ❖ Automation Systems, Electronics, PLC, Robotics and Mechatronics

AC/C Tech HVAC Systems Technician:

EPA Universal Certification (Jan 2024)

Woz U Apprenticeship: Java Application Developer Certification (2021)

Zero To Mastery Academy: Python Programming Certification (2020)

Skills & Technical Proficiency:

- ❖ Robotics & Automation: Fanuc Robotic System; recovery, mechanical teardown, Karel programming, PLC programming, IO block configurations, automation control systems.
- ❖ Programming & Software Development: Python, Java, data structures, algorithms, object-oriented programming.
- ❖ Mechatronics & Mechanical Systems: Diagnosis, repair, and optimization of motors, pumps, conveyors, and HVAC units.
- ❖ Electrical Systems: Low and high-voltage systems, AC/DC circuits, wiring schematics, logic controls, and power distribution.
- ❖ Data & Optimization: Root cause analysis, predictive maintenance, system efficiency enhancements.

Projects & Learning Initiative:

- ❖ PLC Automation Projects:
 - At Tesla, we use a lot of IO, and if a bit in memory is forced, I can map it and then toggle the bit or dive deep to see if there needs to be a logic change. I also optimized a conveyance system on PLC to improve workflow and extend the motor's life cycle. Using the part present sensors, I could time the process and add an auto-turn-off system.
- ❖ Data Structures & Algorithms:
 - Actively studying sorting algorithms, tree structures, graph theory, and dynamic programming.
- ❖ Python & Data Science:
 - Exploring how machine learning works, LLM AI APIs, And integrating AI into web applications.
- ❖ Crypto Wallet and Blockchain System Development:

- Currently working on a blockchain system, exploring the data structures of blocks, hashing algorithms like ECDSA, and transaction validation mechanisms. This project has deepened my understanding of Python models, object-oriented programming, and cryptographic security.