**KHOA V.D HUYNH**

714-989-9331

kaohulogist@gmail.com

Goodyear, AZ 85338 | Willing to relocate

(U.S. Citizenship)

Driven by five years of hands-on experience, I'm a Controls System Technician skilled in enhancing conveyor and sortation operations. My proficiency in electrical and network systems, including PLC and IP management, facilitates efficient troubleshooting and strategic technical improvements. I'm also a strong communicator, adept at simplifying technical information for diverse teams.

**SKILLS:**

* Motor Controls: Motor starters, VFDs, DC drives, electrical distribution systems; Robotics troubleshooting
* PLC Programming: Allen Bradley ControlLogix, CompactLogix, RSLogix 5000; Programming: Python, Ruby, HTML
* Industrial Networks: Ethernet, ControlNet, DeviceNet, Profibus, AS-I, CMMS, SCADA, AutoCAD, Industrial HMI
* Leadership: Project management, team leadership, cross-functional collaboration, responsibilities, communication

**WORK EXPERIENCE:**

**Mark Anthony Brewing 10/2024 - present**



(Instrumentation and Controls Technician)

* Utilized hand and power tools for regular preventative maintenance, inspections, and repairs.
* Supported the development of equipment and system designs to achieve 50,000 prescription orders daily.
* Conducted root cause analysis to eliminate malfunctions, reduce cost, and improve quality.
* Skilled in navigating and modifying HMI applications, connecting to PLCs and troubleshooting programming logic.
* Ensured drug distribution reliability to target machine downtime under 3%.
* Worked on AC/DC motors and motor controls under a 3-phase 480V electric and electrical equipment environment.
* Installed production lines including PLC, conveyors, pneumatic, electronics, 80/20, controllers, and I/O systems.
* Setup connections between controllers, sensors, transmitters, instruments for automation control systems.
* Performed integrated testing of the entire O.T system with alarm notifications
* Proficient wit I.T and O.T network communication protocols (TCP/IP, UDP, DNP3, Modbus, IEC, BACnet, OPC)
* Managed troubleshooting with oscilloscope, multimeter, wiring, soldering, harnessing and logic analyzer.
* Experienced in RS Logix 5000, Siemen SIMATIC, Wonderware InTouch, Ignition flatform, Rockwell Automation.
* Applied cybersecurity measures to protect O.T system for ensuring the integrity and availability of industrial systems.
* Familiar with vendors Flexlink, SureKap, LDU Tension, Hydro, NPI, AutoBagger, Hydro, QMSI, Edge Water.

**NASA Texas Space Grant Consortium Design Challenge 09/2021- 06/2022**

(Technical Design System Lead)

* Designed interchangeable controllers for automation, interacting with sensors, executing program base on position.
* Applied AutoCAD to create 3D printing model prototypes and developed a Python-based GUI for the microcontroller.
* Successfully developed a highly reliable product with a swapping rate above 95%, all within a budget of $1000.

**U.S. Department of Commerce, Katy, TX 05/2020 – 11/2020**

(IT Support)

* Managed the remote deployment of OS patches and updates to avoid service and resolve technical issues.
* Applied information security protocols to oversee account credentials and directed the need to higher-level support.

**Vinny AC, Houston, TX 06/2021 – 08/2022**



(AC Technician Associate)

* Diagnosed and repaired electrical and mechanical faults in residential HVAC systems.



* Communicated issues and cost estimates with clients, ensuring high-quality service delivery.

**US Jaclean, Houston, TX 05/2016 – 09/2019**



(Manager)

* Managed daily operations in sales, covering vending, retail, and wholesale channels.
* Led a team of 10, coordinating project deadlines, and ensuring successful product distribution.

**EDUCATION:**

**The University of Texas at Tyler, Houston, TX Graduated: 06/2022**

Bachelor of Science, Electrical Engineering (BSEE)

