**KHOA V.D HUYNH**

714-989-9331

kaohulogist@gmail.com

Goodyear, AZ 85338 | Willing to relocate

(U.S. Citizenship)

Recent graduate in Electrical Engineering candidate with comprehensive experience in plant automated control systems including electro-mechanical components, sensors, pneumatics, and drive systems. Proficient in troubleshooting, system integration, implementation, and project management. An eager-to-learn professional dedicated to fostering mutual growth with the company.

**SKILLS:**

* Industrial Automation: PLC, HMI, SCADA Ignition, Allen Bradley, Siemens TIA Portal, RFID, 3D AutoCAD
* Teamwork; Ethical; Attention to Detail; Bilingual, Problem Solving, Time Management.
* Programming & Data: SQL, Python, C++, HTML, CSS, Javascript, Machine Learning, Bash, Matlab, Multisim
* I.T: AWS, Security+, Linux, Container, Kubernetes, Terraform, Citrix, Remedy, Git
* Documentation: Drafted Design Specifications, Test Plans, and Engineering Reports.

**WORK EXPERIENCE:**

**Humana, Phoenix, AZ 12/2022 - present**



(Automation Pharmacy Engineering 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.
* Performed integrated testing of the entire O.T system. Setup alarm notifications.
* Setup connections between controllers, sensors, transmitters, instruments.
* Familiar with It and OT network communication protocols (TCP/IP, UDP, DNP3, Modbus, IEC, BACnet, OPC)
* Feedback to future design considerations to enhance operational efficiency.
* Applied cybersecurity measures to protect OT system for ensuring the integrity and availability of industrial systems.
* Managed O. T’s hardware and software PLCs, SCADA, CNC, SIEM, SOAR
* Proficient in projects utilizing oscilloscope, multimeter, wiring, soldering, harnessing and logic analyzer.
* Familiarity with vendors Flexlink, SureKap, LDU Tension, Hydro, NPI, AutoBagger, Hydro, QMSI, Edge Water.

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

**Vehicle Interchangeable Electronic Controller (VIEC) Network System**

(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)

