**KHOA V.D HUYNH**

714-989-9331

kaohulogist@gmail.com

Goodyear, AZ 85338

(U.S. Citizenship)

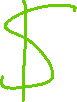
A Electrical Engineer of Manufacturing Machine Automation with comprehensive experience in plant automated control systems including electro-mechanical components, sensors, pneumatics, and drive systems. Proficient in troubleshooting, system integration, implementation, and project management. An eager-to-learn professional dedicated to fostering mutual growth with the company.

**SKILLS:**

* Industrial Automation: PLC, HMI, SCADA, RFID, 3D, AutoCAD, Cloud Technology, Allen Bradly, Siemens, Bluebeam
* 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, Citrix, Remedy, Git.
* Documentation: Drafted Design Specifications, Test Plans, and Engineering Reports.

**WORK EXPERIENCE:**

**Siemens, Tempe/Phoenix, AZ 11/2024 - present**



(Building Automation Solutions / Field System, senior Automation Installer Specialist)

* Installed, serviced and controlled building automation systems (BAS/BMS) for HVAC, lighting, security, and access control.
* Ensured system database and programing, graphics verification including test and write modifications to system software.
* Integrated building system using various industrial control network protocols: BACnet, N2, and Modbus.
* Experienced with construction setting for mechanical, plumbing, boiler, chiller, air handler, and electrical systems.

**Humana, Phoenix, AZ 12/2022 – 11/2024**



(Automation Pharmacy Engineering Technician)

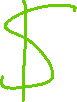
* Utilized hand and power tools for regular preventative maintenance, inspections, and repairs.
* Supported the development of equipment and system designs to achieve 50,000 prescription orders daily.
* Conducted root cause analysis to eliminate malfunctions, reduce cost, and improve quality.
* Skilled in navigating and modifying HMI applications, connecting to PLCs and troubleshooting programming logic.
* Support and maintain SCADA systems, ensuring accurate KPI monitoring and reporting.
* 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.
* Setup connections between controllers, sensors, transmitters, instruments for automation control systems.
* Collaborated with cross-functional teams to implement an advanced control system to improve efficiency.
* Proficient in applying engineering software tools to perform systems reliability and maintainability.
* Aided automation engineers in developing PLC code and HMI interfaces to satisfy emerging operational criteria.
* Identified root causes for issues, performance of critical assets while applying engineering and information technology

**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.

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



(AC Technician Associate)

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



* Communicated issues and cost estimates with clients, ensuring high-quality service delivery.
* Performed in reports, and functional testing procedures for HVAC, air flow, controls system.

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

(IT Support Specialist)

* 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.

**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.
* Adopted a transparent sales approach, fully informing clients about product feature and limitation to their needs.
* Ranked among the top 3 sales in the region.

**EDUCATION:**

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

Bachelor of Science, Electrical Engineering (BSEE)

