**KHOA V.D HUYNH**

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[www.linkedin.com/in/khoa-vd-huynh](http://www.linkedin.com/in/khoa-vd-huynh) | <https://github.com/kaohulogist>

Goodyear, 85338 | Willing to relocate

(U.S. Citizenship)

An Electrical Engineer candidate with comprehensive experience in plant automated control systems consisting of electro-mechanical components, sensors, pneumatics, and drive systems. Proficient in CAD design, system integration, troubleshooting, and project management. An eager-to-learn, energetic prospect dedicated to enhancing mutual growth with the company.

**SKILLS:**

* Industrial Automation: PLC, HMI, SCADA, Allen Bradley, Siemens TIA Portal V17, RFID, 3D AutoCAD, Multisim
* Teamwork; Ethical; Attention to Detail; Bilingual, Problem Solving, Time Management.
* Programming & Data: SQL databases, Python, C++, Visual Basic, Machine Learning, Bash, Matlab
* I.T: AWS, Security+, Linux, Container, Kubernetes, Terraform, Citrix, Remedy
* Documentation: Drafted Design Specifications, Test Plans, and Engineering Reports.

**RELEVANT 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.
* 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.
* 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**

(HEC5 Team – Technical Design System Lead)

* Designed and implemented a system of interchangeable controllers to interact with multiple sensors (analog & digital) for automation, executing the appropriate program based on a positional identifier.
* Used CAD software to create prototypes and developed a Python-based GUI for the Raspberry Pi microprocessor.
* 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.

**Teacup** (Coffee Shop**) | 9Cstudio** (Photography & videography)  **01/2015 - present**



(Business Owner)

* Oversaw day-to-day operations and growth strategies and took proactive measures to ensure the business thrived.
* Built a loyal customer base through consistent quality and service excellence commitment.

**EDUCATION:**

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

Bachelor of Science, Electrical Engineering (BSEE)

