



NICHOLAS DAYAO ALONZO

ELECTRONICS ENGINEER/ INSTRUCTOR/ FRONT-END DEVELOPER/ PHOTOGRAPER

CONTACT

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B17 L1 P2, Fiesta Communities, Sabanilla, Mexico, Pampanga,

EDUCATION

2023 - PRESENT

DON HONORIO VENTURA TECHNOLOGICAL STATE UNIVERSITY

- Master in Engineering Management

2007 - 2012

DON HONORIO VENTURA TECHNOLOGICAL STATE UNIVERSITY

- BS in Electronics Engineering

SKILLS

- Control Systems and Instrumentation Maintenance & Implementation
- CCTV & FDAS
- Electronics Circuit Design and Implementation
- HTML, CSS, JAVASCRIPT
- Wordpress & Elementor
- Webflow
- Freelance Photography

LANGUAGES

- English (Fluent)
- Filipino (Native)

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PROFILE

A versatile electronics engineer with a solid 9-years experience in instrumentation and controls systems in power plant and alumina refinery settings; As a dedicated college instructor, I thrive on mentoring the next generation of engineers, simplifying complex concepts, and inspiring students through practical, hands-on learning experiences. I am also a skilled front-end web developer with proficiency in wordpress, elementor and webflow. Also, I am a freelance photographer with a creative flair for capturing moments that tell a story.

WORK EXPERIENCE

DON HONORIO VENTURA TECHNOLOGICAL STATE UNIVERSITY 2022 - PRESENT

Electronics Engineering Instructor

- As an instructor in the Electronics Engineering Department, my primary objective is to cultivate a dynamic and engaging learning environment.
- Develop and update curriculum content to align with the latest advancements in electronics engineering.
- Facilitate hands-on experiences through laboratory exercises, design projects, and simulations.
- Acts as laboratory supervisor where equipment are safely secured and well instructed to students. Keeps records of inventory of assigned laboratory.
- Participates on department's extension projects to enhance tie-ups between the department and community.

EMIRATES GLOBAL ALUMINUM - ATA OPERATIONS (UAE) 2016 - 2022

Instrumentation Technician - Upstream

- Carried out preventive and corrective maintenance activities on a wide range of refinery instruments and test equipment in accordance with OEM requirements and the established policies,
- Performs planned tasks and repair work on instruments and test equipment, updating the supervisor on the status of work activities and reporting any abnormalities or incidents as required.
- Conducts routine inspections and checks on equipment as per preventive maintenance strategies. Prepares and updates standard maintenance procedures (SMP), task risk assessments (TRA) and maintenance checklists during and after the refinery construction phase.
- Supervises contractual workers for other instrumentation related works during maintenance activities and ensures the work party is safe prior, during and after any activity as per PTW procedure.
- Adheres to all safety requirements, philosophy and lifesaving rules of the company prior, during and after every equipment and instrumentation maintenance activities.



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TRAININGS ATTENDED

- Solar PV System Design - IECEP CEBU 2024
- OpenFlow, Software-Defined Network, and Network Function Virtualization - USAID, Open RAN Academy, DICT
- Solar PV Computation and Design - Maya technologies solutions
- Train The Trainers for Cyber Physical (Cp-Lab 404) Compact Industry 4.0 Learning System - FESTO
- AI Taweelah Greenfield Conveyors EIC Training - KOMATSU
- E&I Maintenance Procedure for Sv504 Valve And Hydraulic Control System - EMERSON
- Introduction To Maintaining Mk10 Control Valves - FLOWSERVE
- STAHL Product Training Seminar - STAHL
- PLA Refractometers Training Course - PLA Process Analyzers
- Modified Fire Prevention and Fire Fighting - ASTC - Maritime Industry Authority

LANGUAGES

- English (Fluent)
- Filipino (Native)

WORK EXPERIENCE (CONTINUED)

- **PAN ASIA ENERGY INC.** 2013 - 2016
Controls & Instrumentation Technician
 - Responsible for the maintenance, pre-commissioning and commissioning of Gas and Steam Turbine Control and instrumentation systems after maintenance shutdowns.
 - Responsible for the maintenance, pre-commissioning and commissioning of Fuel Oil Treatment Plant, Water Treatment Plant, Auxiliary Boiler and Fire Protection and Detection Control and instrumentation systems.
 - Prepares schematic drawings, sketches, and reports to reflect changes or alterations made in instrumentations, circuits, and systems. Analyzes diagnoses and corrects controls and instrumentation related problems on plant Generating Units and Auxiliary Systems.
 - Complies with company safety, security and housekeeping policies. Coordinates with Plant operations regarding work orders to be completed.

MOST RECENT SEMINARS ATTENDED

- IECEP PAMPANGA CHAPTER'S MIDYEAR CONFERENCE 2024
- Future Proofing Real Estate Development thru In-Building Technologies
- 74th IECEP Midyear Convention 2024
- IECEP Pampanga Chapter's 2ND TECHNICAL WEBINAR 2024: Understanding Telecom Evolution Through Core Network Advancements and Strategic Infrastructure
- IECEP PAMPANGA CHAPTER'S 1ST TECHNICAL WEBINAR 2024: Navigating Frontiers in Electronics Engineering and Bridging TechnoSynergy
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- IECEP Pampanga Chapter's 13th Annual General Membership Meeting and Election with Technical Seminars
- IECEP Pampanga CPD Webinar 2023: Electronics Permit Application, Implementation and Regulation in the LGU, PEZA and Freeport and Special Economic Zone
- IECEP Building and Auxiliary Systems Society (BEASS) in collaboration with IECEP Bulacan 2023 Webinar: Field Testing: Certifying and Troubleshooting Premises Cabling Systems
- IECEP Building and Auxiliary Systems Society (BEASS) in collaboration with IECEP Bulacan 2023 Webinar: Fire Detection and Alarm System (FDAS) Design Considerations
- IECEP Pampanga Chapter's Midyear Conference 2023 with Technical Seminars (Virtual)