JESTER PAUL ARCAS

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Portfolio: jesterarcas.vercel.app   GitHub: Photons3 (github.com)

Summary

An Electronics Engineer with a love of knowing how things works and designed. Experience in deploying IoT system with AI built-in to forecast system parameters, store and control it on the internet. Loves to create scripts and programs to automate tedious and repetitive work. Knowledgeable in troubleshooting software and hardware, setting up environment and maintaining support for clients. With excellent oral and written communication skills, goal and results-oriented, team player and critical thinking skills.

Skill Highlights

- NodeJS, MongoDB, Google Cloud Platform
- Windows, Linux, Virtual Machines, Git, GitHub, Version Control, Operating Systems
- Debugging, Testing, Reverse Engineering, Microcontrollers
- React, NextJS, Typescript, HTML, CSS, JavaScript, Tailwind
- TensorFlow, Artificial Intelligence, Internet of Things, Arduino, ESP32
- C/C++, Python, Matlab, Jupiter Notebook, Scripting, Assembly

Projects

- **Design of an Automated Aquaponics System using AI and IoT** (TensorFlow, NodeJS, Express, C++, WebSocket, MQTT)
- **Cellular Tower Parameters Solver** (Jupiter Notebook, Python, Pandas, NumPy, LaTeX)
- **Food Order App** (React, CSS)
- **Service Scheduling Dashboard** (NextJS, API Routes, Typescript, MongoDB, Tailwind)
- **Among Us Internal Hacktool** (C++, DirectX, Debugging, Memory Manipulation)
- **Forecast AI Using TensorFlow LSTM** (TensorFlow, Pandas, NumPy, Python)

Work Experience

Service Engineer - 08/2023 to Present
Medev Medical Corporation, Parañaque City

- Evaluation, troubleshooting, repairs, and installations medical equipment remotely and on-site.
- Conducts maintenance, technical trainings, demonstrations, quality checking, consultations about medical equipment and products to end-users and the company.
- Maintains good relationship with clients, handles accounts, equipment modalities and responsible for the maintenance, calibration schedule and monitoring the usage of tools and equipment used by colleagues for work.

Education

Bachelor of Science in **Electronics Engineering** - 2022
Laguna State Polytechnic University - Santa Cruz, Laguna

- **Passed the PRC Licensure Examination** for Electronics Engineers April 2023
- Consistent **Dean's Lister** and **Quizzer**, GWA: 1.45
- Recipient of **Best Thesis Award for ECE**, (Design of an Automated Aquaponics System using AI and IoT, 2022)