# 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 with a NodeJS webpage. Loves to create scripts and programs to automate tedious and repetitive work. Knowledgeable in troubleshooting software and hardware, setting up systems and maintaining support for clients. With excellent oral and written communication skills, attention to details, goal and results-oriented, team player and critical thinking skills.

## Skill Highlights

- .NET Core, C#, SQL, Entity, NodeJS
- 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)
   A system that uses has incorporates AI in Aquaculture Farming with an Internet of Things integrated to be able to be accessed anywhere on the internet.

**Stock Watch Website React + .NET Core** (React, .NET, Typescript, SQL, Tailwind, Entity, Identity)
   Check the stock prices, details, and other useful information, add a stock to watchlist with fully functional account and login system and comment system.

## Work Experience

**Intern** – 04/2022 to 08/2022
**Medev Medical Corporation**, Parañaque City
- Oversaw team of Engineering and Broadcasting Students, delivered training and assistance on their ongoing projects, gathering awards in PUP Radio Contest.
- Completed inspections, followed maintenance schedules, and completed repairs in the FM radio station resulted in less downtime for the FM station.
- Tested and operated radio equipment, adjusting settings to achieve clearest transmission, broadcast can now be heard on more nearby towns.

## 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)