



# JAY-AR GARGARAN

FULL STACK WEB DEVELOPER, MECHANICAL ENGINEER

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General Santos City, Philippines

## PROFILE

Well-qualified Full Stack Developer familiar with wide range of programming utilities and languages. Knowledgeable of backend and frontend development requirements. Collaborative team player with excellent technical abilities.

As an Engineer with a background in technology, I bring a unique combination of skills and experience to any project. I am tech-savvy and have excellent analytical and problem-solving skills, making me a valuable asset in any team.

## EDUCATION

October 2020 - November 2020

**PYTHON FULL COURSE**

*University of Michigan via Coursera*

2009 - 2014

**BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING**

*Mindanao State University*

## TECHNICAL SKILLS

- HTML, CSS, JavaScript
- MongoDB, ExpressJS, ReactJS, NodeJS
- Redux, Tailwind CSS, Bootstrap
- Python
- Math, Statistics, Physics, Mechanical Engineering

## SOFT SKILLS

- Analytical and problem-solving skills
- Fast-learning ability and sharp-wittedness
- Teamwork and adaptability
- Highly motivated and very ambitious
- Innovation and resource management skills

## WORK & EXPERIENCE

January 2022 - Present

**STEM Tutor - CourseHero**

- Provides text-based answers and explanations to students who need help better understanding the questions, topics, and subjects which include Math, Statistics, Physics, Business Math, and Engineering
- Provides meaningful STEM instruction to improve the skills of students.

December 2020 – August 2021

**LIDAR Analyst - Remotasks**

- Analyzed and annotated Lidar data using specialized software tools to identify and label features of interest such as terrain, vegetation, buildings, and infrastructure.
- Segmented Lidar data into meaningful objects and create 3D models of the environment using advanced software tools.

February 2019 – August 2019

**Project Engineer – MAO Total Solutions**

- Determined and scheduled priorities as required to progress engineering work.
- Monitored installation of materials and equipment for compliance with drawings and specifications.
- Reviewed contractor proposals to determine favorable partnerships for on-time and under-budget project completion.

October 2017 – March 2018

**Production Engineer – Universal Robina Corporation**

- Documented deviations in procedures or appearance on production batch sheets for management review.
- Monitored production line for unsafe behaviors or incorrect techniques and worked with managers to resolve problems and controlled flow of materials between machinery and containers to achieve proper weight.

November 2014 – July 2017

**Production Junior Supervisor – THPAL Nickel Corporation**

- Responsible for managing and ensuring the efficient operation of production equipment, including pumps, compressors, highly pressurized vessels, and valves.
- Supervised production operators, ensuring safety, environmental compliance, equipment troubleshooting, and monitoring the quality of the plant solution.
- Adjusted process parameters, such as temperature, pressure, and flow rates, to maintain optimal operating conditions and product quality.
- Participated in the development and implementation of process improvement initiatives, and contributing to the ongoing optimization of plant operations.

## LANGUAGES

- **Filipino / Tagalog**  
*Bilingual or Native Proficiency*
- **English**  
*Full Professional Proficiency*

## INTERESTS

- |        |         |
|--------|---------|
| Coding | Movies  |
| Coffee | Sitcoms |
| Dota 2 | Crypto  |