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Computer Engineering Student

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Experience

- **Parañaque City Smart Traffic Management System – On the Job Training I**
 - This project features an application of data science and sensor technologies to monitor real-time traffic conditions.
 - I worked as a Software Engineer Head Designer
 - Implemented a system website that can monitor and display the Road Status, Weather Updates & Routes in Parañaque City.
 - Technology Used: HTML, CSS, Javascript for handling Frontend & PHP Laravel Framework for handling Backend.
- **Computer Engineering Laboratory Management – On the Job Training II**
 - An organizational project website designed to provide secure and efficient data management for Computer Engineering students.
 - I worked as a Full Stack Developer, a way to practice my Frontend and Backend skills.
 - Implemented main services such as storing Instructional Materials, Software Projects, Research Papers and documenting Events among Computer Engineering Organization called SCENE.
 - Technology Used: HTML, Bootstrap CSS, Javascript for handling Frontend & ASP.Net Framework for handling Backend.

Projects

- **iSENSOR**
 - A Smart Traffic Management System prioritizing emergency vehicles.
 - Utilizing the YOLOv8 model for object detection.
 - Logging data including Recognition Accuracy, Latency, and Framerate on the website.
 - Technology Used: Raspberry Pi, MAX7219, LED Lights for Hardware Prototype & ASP.Net Core and PyTorch for Software Prototype.
- **CP Biowar I**
 - A Mobile Game Development that was inspired by the third-person shoot 'em up games like Everwing, Biohazard Battle, Galaga, and Space Invaders.
 - A way to practice my 2D mobile game development skills when I was a sophomore.
 - Technology Used: Unity & C# Programming Language.
- **Online Bookstore**
 - This website is built using Vanilla JavaScript and incorporates concepts such as classes, switch statements, and try-catch-finally statements, which I have learned during the JavaScript Intermediate Campaign. A way to practice my skill in Javascript to handle logical operations.
 - Technology Used: HTML, Bootstrap CSS, Vanilla Javascript
- **To-do list in Docker Compose**
 - A simple to-do list apps that runs in a Docker Container with a Docker Image.
 - A way to practice skill on creating Docker Applications for managing backend components.
 - Technology Used: HTML, CSS, Javascript, Dockerfile, Docker Container, Docker Image

Skills

- **Languages:** C#, Python, Javascript, PHP
- **Frameworks:** ASP.Net, Bootstrap, Entity Framework Core, Laravel
- **Technologies:** Visual Studio Express, MS SQL, Git, API

Education

- Polytechnic University of the Philippines – Parañaque Campus (2019-2023)
 - Bachelor of Science in Computer Engineering
 - Consistently awarded as President's Lister in 6-consecutive semesters.