Reynaldo B. Cortez Jr.

Computer Engineering Student

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Experience

- **Parañaque City Smart Traffic Management System – On the Job Training I (Smart Traffic)**
  - 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, PHP Laravel Framework, Visual Studio Code
- **Computer Engineering Laboratory Management – On the Job Training II (COLLATE)**
  - 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: C# Programming Language, ASP.Net Framework, Visual Studio Community, MS SQL

Projects

- **iSENSOR (Thesis)**
  - An IoT 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: C# Programming Language, ASP.Net Framework, Visual Studio Community, MS SQL
- **SCAN ME**
  - A website for Library Monitoring Management System that offers features such as QR Code Scanner for tracking students' time in and out, camera surveillance, and the collection of student databases.
  - Technology Used: HTML, Bootstrap CSS, Javascript, ASP.NET Framework
- **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 Engine & C# Programming Language.
- **GWA Calculator**
  - A simple website that calculates your General Weighted Average in PUP SIS.
  - Technology Used: HTML, CSS, Javascript

Skills

- **Languages:** C#, HTML, CSS, Javascript
- **Frameworks:** ASP.Net Core MVC, Bootstrap, Entity Framework Core
- **Technologies:** Visual Studio, Microsoft SQL Server, Git, API

Education

- Polytechnic University of the Philippines – Parañaque Campus (2019-2023)
  - Bachelor of Science in Computer Engineering
  - Cum Laude
  - Project Engineer of the Year (2023)
  - Service Award (2023)
  - President's Lister (2021-2023)
  - Dean's Lister (2019-2020)