Matthew Gallardo

Quezon City, Philippines

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Summary

Passionate Computer Science Student @ Polytechnic University of the Philippines, Sta. Mesa Manila with a strong academic record and technical skills in web development and Software Development. I am motivated, detail-oriented, and continually seek to expand my knowledge and skills in the field of technology.

Education

POLYTECHNIC UNIVERSITY OF THE PHILIPPINES
Sta. Mesa, Manila
BS Computer Science
August 2020- 2024

- Consistent President Lister
- CHED and Quezon City Scholar

Technical Skills

Areas: Software Engineering and AI/ Machine Learning
Programming Languages:
Java, JavaScript, Python, C
Libraries/Frameworks:
React.Js, Vue, Express.Js, Node.Js, Jest.Js, HTML5, CSS3
Database: MySQL, MongoDB
Tools: Postman, VsCode, Android Studio, Git, Docker, Playwright
Certifications:
DICT-ICT018 Basic Level of Software Engineering, DICT-ICT013-Intermediate Level of Software Engineering , DICT-ICT017 Advanced Level of Software Engineering

Experiences

BAYTECH BPO CORPORATION
Pasig, Metro Manila
Software Engineer Intern
August 2023- September 2023

- Collaborated on optimizing the frontend, focusing on user experience and performance.
- Developed unit tests using Jest and automation tests with Playwright for improved project efficiency and reliability.
- Implemented Docker for efficient containerization, enhancing deployment processes.

Projects

Some of my Projects in University:
E-Commerce Website for Mechanical Keyboards
A MERN Stack e-commerce platform for mechanical keyboards.
•React •Express (Node.js) •MongoDB •Redux React • Styled Components

EasyPC Inventory and Sales Management System
Java Database inventory and PoS system for EasyPC
•Java •Java Swing •MySQL •NetBeans •Gui

Thesis: Detection of GAN- generated images using Spatial-Frequency Fusion Data
A spatial-frequency fusion approach, combining Discrete Wavelet Transform (DWT) and Local Binary Pattern (LBP) for feature extraction. It utilizes a Support Vector Machine (SVM) as a classifier to enhance GAN image detection efficiency. The thesis contributes to advancements in computer vision and digital forensics.
•Python •Local Binary Pattern •Discrete Wavelet Transform •Support Vector Machine