

EMMANUEL JUSTIN S. DEFIESTA

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TECHNICAL SKILLS

Programming Languages: Python, C++, Java, JavaScript, PHP, SQL, VB.NET

Web Development: HTML, CSS, Bootstrap, Tailwind CSS, Vue.js, Laravel, Flask, WordPress, Elementor

Data Science & ML: SciKit, Matplotlib, Numpy, OpenCV, EasyOCR, Pytorch

Databases: MySQL, Microsoft SQL Server

Tools: Git, Github, VS Code, Visual Basic, SSIS, VMware, Arduino IDE, Canva

EXPERIENCE

The Umonics Method

February 2024 - May 2024

IT - Intern (Remote)

Singapore, Singapore

- Designed and created over 50 digital content assets with Canva, increasing social media engagement by 30% and strengthening brand presence across platforms.
 - Implemented extensive website content improvements using HTML and WordPress, increasing user experience metrics by 25% and lowering bounce rates by 15% across 100+ pages.
 - Utilized smart SEO optimizations, which resulted in a 40% increase in organic traffic and higher rankings for 20 industry terms.
 - Developed a responsive WordPress landing page using modern design concepts to improve user interface and potential lead generation.
 - Strong flexibility and communication abilities were demonstrated in a fully remote work setting, with assignment deadlines constantly met and productivity levels maintained.
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PROJECTS

Automatic License Plate Reader

Technologies used: Python, OpenCV, EasyOCR, Numpy, Matplotlib, Flask

- Developed a high-performance license plate recognition system using Python, OpenCV, and EasyOCR, ensuring robust performance in a variety of environments.
- Implemented advanced image processing techniques including adaptive thresholding and contour detection, improving plate localization accuracy by 30% over baseline methods.
- Engineered the system as a web application using Flask, featuring an intuitive user interface and a database for managing detected plates, demonstrating full-stack development expertise.

MobiWay - Courier Website

Technologies used: HTML, CSS, JavaScript, PHP, MySQL, Bootstrap

- Developed a responsive and user-friendly registration system for user registration using HTML, CSS, JavaScript, and Bootstrap, ensuring optimal performance across various devices and browsers.
 - Designed and implemented backend functionality using PHP and MySQL to manage user registrations, with secure data handling and real-time validation for efficient processing.
 - Enhanced user experience through comprehensive form validation and error handling, ensuring smooth user interactions and a seamless registration process.
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EDUCATION

De La Salle University - Dasmariñas

September 2020 - August 2024

Bachelor of Science in Computer Engineering

Specialization: Software Engineering