ROD LESTER A. MORENO

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WORK EXPERIENCE

Software Engineer   *Apr. 2024 – Present*
Asterix, Inc. (WVSU, Iloilo)
- Responsible for the end-to-end architecture, **development**, and deployment of scalable web applications while **mentoring a cross-functional team** and driving **engineering best practices** in a fast-paced **startup** environment.

Website Developer   *Aug. 2024 – Apr. 2025*
eVA Outsourcing (San Jose, Antique)
- **Developed and maintained** an **international** eCommerce platform using BigCommerce, **optimizing performance**, SEO, and custom functionality to meet global client needs.

Project Lead & Full-Stack Software Engineer Intern   *Feb. 2024 – Jun. 2024*
BINHI (Iloilo City, Iloilo)
- **Led the design and delivery** of a client-focused full-stack web solution using Laravel and other modern frontend tools, **ensuring project success from planning to deployment.**

Lead Full-Stack Developer (Contract)   *Sept. 2022 – March 2023*
WVSU-CITE (Iloilo City, Iloilo)
- **Directed backend development** and successfully launched a full-stack platform that streamlined communication and resource access for students university-wide.

EDUCATION

West Visayas State University, College of ICT   **La Paz, Iloilo City**
Bachelor of Science in Computer Science (GWA 1.47)   *2020 - 2024*
- Relevant Coursework: OS, Computer Graphics and Visual Computing, Web Design and Development, DSA, OOP, AI & ML, Software Engineering, Information Management, Data Mining, Systems Analysis and Design
- Honors: **Dean's Lister** (from 1st to final year) and graduated as **Magna Cum Laude**

RELEVANT PROJECTS

MolarSupport   2023
- Full-stack web app for dental support with intelligent image analysis. Implemented **CNN-based** detection of molar tooth proximity to the mandibular canal in CBCT images. Led **REST API** integration and deployment using a modular architecture.
- Tech Stack: Next.js, Typescript, Python, SQLite, Flask, TailwindCSS, DaisyUI, REST APIs, Docker

NeuroForge   2023
- Created a **multi-feature** AI web platform that uses **GAN** for generating human faces, **KNN & Linear Regression** for job salary prediction, **K-Means Clustering** of job market data, **Naive Bayes** for tech role recommendation based on user inputs, **GRU, LSTM, Bi-LSTM** for text generation, and **Binary sentiment classifier** trained on Rotten Tomatoes reviews.
- Tech Stack: Python, Flask, GANs, ML Libraries, HTML, Bootstrap

N-Essentials   2024
- Developed **custom scripts** and implemented **theme customization** to deliver client needs. Integrated 3rd-party APIs for inventory syncing and created data migration **automation tools**.
- Tech Stack: BigCommerce, jQuery, Python, HTML, CSS, JavaScript

Poison Information Service   2023
- Built a **chatbot-enabled** CMS and report management system for poison-related incidents in Iloilo City. Implemented **Dijkstra's algorithm** to suggest the nearest facility with antidotes.
- Tech Stack: Next.js, Laravel, TailwindCSS, FastAPI

Rotten Orange TMS   2023
- Developed and deployed **cloud-based system** for managing boarding houses. Achieved 90+ scores in **Google Lighthouse** for performance and accessibility.
- Tech Stack: PHP, CSS, JavaScript, MySQL, AWS

National Sports Event Tracker (Bootstrap, PHP)   2022
- Enabled real-time updates and historical score viewing for regional sports events. Employed **Doctrine ORM** and ensured smooth server deployment.
- Tech Stack: PHP, Bootstrap, MySQL

RELEVANT REWARDS

Top 10 out of 122 teams – HackFest 2022: Gen Z – GDSC-Loyola *2022*
- **Led a team of skilled problem-solvers** to be crowned as one of the **top 10 hackathon finalists**, tackling the **17 Sustainable Development Goals.**

DOST Scholar – Department of Science and Technology – SEI *2020*
- **Competitively selected** under the **nationwide scholarship program** for high-achieving STEM students, maintaining academic excellence throughout secondary school.

College Best Thesis – College of Information and Communications Technology – WVSU *2024*
- **Recognized for innovation, technical depth, and societal relevance** during college-wide thesis defense and research evaluation.

SKILLS & INTERESTS

Skills
- **Languages & Tools**: Python, C++, JavaScript, PHP, TypeScript, Git, Canva, Photoshop
- **Frontend:** React, Next.js, TailwindCSS, DaisyUI, Bootstrap
- **Backend:** Flask, Node.js, Express.js, Laravel, REST APIs
- **Database:** SQLite, MySQL, PostgreSQL
- **AI/ML:** CNN, GAN, KNN, Naive Bayes, LSTM, GRU, K-Means, Linear Regression
- **Platforms:** Docker, CI/CD, BigCommerce, WordPress, AWS (Basics)

Interests
- Full-Stack Software Development, Artificial Intelligence, Robotics