



JOSHUA F. VERCELES

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SUMMARY

A detail-oriented and motivated Computer Science graduate seeking an entry-level role in software development or related fields. Eager to apply a solid foundation in programming, problem-solving, and system design to real-world projects. Dedicated to continuous learning, effective collaboration, and building innovative, efficient digital solutions.

HANDS-ON EXPERIENCE

System Developer (Intern) Provincial Engineering Office of Pangasinan Feb 2025 - May 2025

- Developed a local administrative system that streamlined file management and reduced reliance on paper-based processes.
- Implemented a geo-tagging feature that automatically extracts photo coordinates and displays them on an interactive map.
- Design and deployed the system for local PC use within the office environment .
- Utilized Flutter for front-end development and system implementation.

Thesis Project - Advancing Penmanship Recognition Through Computer Vision Technology Aug 2024 - Dec 2024

- Developed a machine learning application to recognize and interpret handwritten medical prescriptions, reducing potential errors and improving readability for pharmaceutical use.
- Implemented OCR (Optical Character Recognition) and Natural Language Processing (NLP) techniques to convert handwritten text into structured digital format.
- Trained a neural network model using IAM Dataset with TensorFlow in Python.
- Applied concepts of computer vision and machine learning to achieve accurate handwriting recognition.

EDUCATION

Bachelor of Science in Computer Science Sept 2021 - Aug 2025

Pangasinan State University - Lingayen Campus

- GWA 1.52 - With Academic Distinction
- Thesis on "Advancing Penmanship Recognition Through Computer Vision Technology".

Science, Technology, Engineering, and Mathematics June 2019 - April 2021

Our Lady of Fatima University - Valenzuela City Campus

- With High Honor

ADDITIONAL INFORMATION

- **Technical Skills:** Python, Java, C++, Typescript, NextJS, Bootstrap, Flutter, Git, GitHub, VS Code, Adobe Photoshop, Adobe Illustrator, Figma
- **Achievements/Activities:** Dean's Lister, Recipient of Pangasinan Scholarship, PRO / Graphic Artist of PSU Student Organization for CS Students, Participant - DICT Philippine Startup Challenge 8, Completed 480 Hours of OJT Training at Provincial Engineering Office of Pangasinan