

JOSHUA ASHLEY D. FORMENTO

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EDUCATION

Batangas State University – TNEU Alangilan Campus

Bachelor of Science in Computer Engineering (BSCpE)

Awards: Dean's Lister, GPA: 1.65 / 1

Batangas City

Expected Graduation Date: Sept 2025

SKILLS

Programming Languages: Python, Java, C++, Javascript ES6, Arduino Programming Language, Typescript

Frontend Skills: HTML 5, CSS 3, Bootstrap 5, Tailwind CSS, ReactJS, Vue.js

Backend Skills: Node.js, Express, PHP, FastAPI

Database: MySQL, SQL

AI / LLM: Machine Learning, OpenAI

Cloud Platforms: Vercel, Render

Version Control: Git, Github

PERSONAL PROJECTS

Jotter

Vercel | Live Demo

Tech Stack: HTML, CSS, React, Vite, TypeScript

- Jotter is a note-taking app designed to help users manage tasks and reminders. It allows users to add detailed information, including a title and description, for better organization.

Personal Portfolio Website

Vercel | Live Demo

Tech Stack: HTML, TailwindCSS, React, Vite, TypeScript

- A personal portfolio website showcasing my information, projects, skills, and contact information.

SULAT-SURI: Automated Essay Evaluation through the Integration of Large Language Model with User-Defined Criteria-Based Grading.

Undergraduate Thesis Project | Batangas State University

Vercel | Render 1 | Render 2 | GitHub | Live Demo

Tech Stack:

- Frontend:** React, TypeScript
- Backend:** Node.js, Express, FastAPI
- Database:** PostgreSQL, Prisma ORM
- AI Integration:** OpenAI API, Langchain
- Infrastructure & Tools:** RESTful APIs, JWT Authentication, Zod Validation, Winston Logging
- Developed a web-based application that automates essay evaluation using Large Language Models (LLMs) and customizable rubrics. Designed and implemented a microservices architecture with a React frontend, Node.js/FastAPI backend, and PostgreSQL database. Enabled real-time feedback with secure authentication, RESTful API integration, and AI-powered grading.

EXPERIENCE

Pixel8 Web Solutions & Consultancy Inc.

On-the-Job Training (OJT)

Software Engineering Intern

Project: BookOn (Mobile Appointment Booking Application)

- Developed client-side features and fixed UI/UX bugs using Vue.js and Quasar Framework and collaborated in agile sprints for deployment readiness

Legazpi City, Albay

March 2025 – May 2025