

# 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)*

**Legazpi City, Albay**

*March 2025 – May 2025*

#### 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