NATHANIEL SETH DE LEON

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SKILLS

Languages: JavaScript, Python, HTML, CSS
Technologies: React, Node.js, Tailwind, Express.js, Socket.io
Tools: Git, GitHub, Vite, NPM, VS Code

EDUCATION

CAVITE STATE UNIVERSITY   **Expected 2026**
Bachelor of Science in Computer Science

PROJECTS

VIBECHESS
React, Node.js, Express.js, Socket.io
- Developed a real-time multiplayer chess web application with live game state synchronization using WebSockets
- Integrated Stockfish chess engine to provide move analysis, position evaluation, and AI bot opponents with adjustable difficulty levels
- Implemented real-time chat functionality allowing users to communicate during matches
- Deployed backend server on Render with version-controlled updates and automated deployment pipeline

NETICENTS
React, Tailwind CSS
- Developed a real-time Philippine income tax calculator computing net take-home pay
- Translated Philippine tax regulations into custom calculation algorithms
- Built a responsive UI that automatically computes taxes in real time as users input data
- Enabled PDF export functionality for computed tax reports, allowing users to easily download and save results

ETIBARK
Godot, GDScript
- Developed a turn-based roguelike featuring procedural generation and branching dialogue
- Architected custom systems including damage formulas, 30+ status effects, and procedural generation with reproducible randomness
- Implemented data-driven design managing 80+ creatures, 80+ items, and 50+ cards with modular, maintainable code architecture

PORTFOLIO WEBSITE
React, Tailwind CSS, Framer Motion
- Developed a personal portfolio website to highlight development work, integrating smooth animations and mobile-first design