John Angelo S. Soriano

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EDUCATION

De La Salle University Manila, Philippines
Bachelor of Science in Computer Science – Major in Software Technology 2022 - Present

Relevant Coursework: Object-oriented Programming, Information Management, Intelligent Systems, Web Development, Algorithms and Complexity, Software Engineering
Organizations: Google Developer Student Clubs (2022-2023)

PROJECTS

Enlistment Application November 2024
- Course Requirement for Advanced Software Engineering class
- Used Spring Boot and PostgreSQL tech stack, and Docker for deployment and integration testing
- Used Liquibase to simulate database migration

IEEE-754 binary32 Addition Calculator (repo) August 2024
- Submitted as course requirement for Computer Architecture Class
- Used Python and Flask to create a binary addition calculator with step-by-step explanations

Property Management Website (repo) April 2024
- Submitted as course requirement for Software Engineering class with client
- Created a rent collection and tenant management interface with React.js and Node.js

Forum Clone December 2023
- Submitted as course requirement for Web Development class
- Created a Reddit-style forum application with Node.js, MongoDB and EJS

Family Tree Chatbot November 2023
- Submitted as course requirement for Intelligent Systems class
- Integrated Python with a Prolog inference engine to detect and validate family relationships from user input
- Employed regular expressions for input validation
- Created test cases using unittest library

Sokoban Solver October 2023
- Submitted as course requirement for Intelligent Systems class
- Created a Java program to solve Sokoban puzzles using A* algorithm

Vending Machine August 2023
- Submitted as course requirement for Object Oriented Programming class
- Created a customer-facing food point-of-sale that can handle customized orders
- Added an inventory management and financial report system for back office
- Made GUI using Java Swing

Budget Tracker August 2023
- Completed as final project for the online CS50x course (certificate)
- Used Python Flask and sqlite3 database to create a personal expense management system with user authentication
- Implemented expense visualization using Chart.js

SKILLS

Python	Node.js	MongoDB

HONORS AND AWARDS

DOST Merit Scholarship June 2022