

Tri Ngo

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EDUCATION

San Jose State University

San Jose, CA

Bachelor of Software Engineering. GPA: 3.67

Fall 2021 - May 2024

Relevant Course: Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems, Software Architecture, Machine Learning for Big Data, Enterprise Software Platforms.

PROJECTS

Decryptoid - Text Encryption/Decryption App | Personal Project

Jan 2024 – Apr 2024

- Built a web page with PHP for secure session management, user sign-up and login, and text file or input submission with cipher selection for encryption or decryption.
- Developed logic to read and process texts using chosen ciphers (Simple Substitution, Double Transposition, RC4).
- Designed a MySQL database to securely store user details, input texts, selected ciphers, and timestamps, with thorough field validation.

LikeHome – Hotel Booking App | Group Project

Jan 2023 – Apr 2023

- Collaborated within a team of four to design and develop a comprehensive website for online hotel room bookings using React.js, Node.js, focusing on scalability, responsive design, and efficient data management.
- Developed core functionalities encompassing user authentication, advanced search capabilities with filtering and sorting options, reservation management, integrated payment solutions, and a user-centric rewards program.

ChatHub – Chat Message App | Personal Project

Aug 2022 – Dec 2022

- Created a real-time chat application featuring multiple chat rooms, leveraging Node.js, Express, and Socket.io to facilitate seamless communication.
- Implemented functionality for custom usernames, real-time join and leave messages, and live messaging capabilities to enhance user engagement and interaction efficiency.

Professor Reviews – Review App | Group Project

Jan 2022 – Apr 2022

- Worked in a team of four to implement a web application allowing college students to rate professors at San Jose State University, leveraging Python with the Flask framework for backend functionality and Bootstrap for responsive front-end design.
- Analyzed high-level requirements and designing activity diagram and data flow diagram
- Performed test cases to improve user experience.

TECHNICAL SKILLS

- Programming languages: Java, Python, PHP, SQL, HTML, CSS, JavaScript.
- Frameworks/Libraries: React.js, Node.js, Bootstrap, Flask, MySQL.
- Tools: Git, Eclipse, PyCharm, Visual Studio Code, Figma.