

Hieu Tran

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EDUCATION

San Jose State University

San Jose, CA, USA

B.S. in Software Engineering

Aug 2020 - Dec 2024

TECHNICAL SKILLS

Programming Languages: Python, Java, C++, Javascript, HTML/CSS

Libraries and Tools: MySQL, Git, Openframeworks, React, MongoDB, Chakra UI, Express.js, Node.js, Zustand, Postman

PROJECTS

- **Product Management Website**

Designed and developed a full-stack web application to manage products for a store, utilizing the **MERN** stack for seamless integration of frontend and backend functionalities. Implemented **RESTful APIs** to enable robust **CRUD** operations for product management. [Website](#)

- **Movie List Website**

Created a responsive web application using **React** to fetch and display movie data from an external movie database API. Implemented a search functionality to filter movies dynamically based on user input. Designed a favorite feature allowing users to mark movies for quick access using state management and local storage. [Website](#)

- **Typing Game**

Developed an interactive typing game using vanilla **Javascript** with **HTML/CSS** that fetches dynamic text via API integration, providing randomized quotes as content. [Website](#)

- **Space Landing Simulation**

Built a space landing simulation using **C++** and **openFrameworks**. Implemented physics to the thrusters as well as a tree structure to detect collision. Designed space shuttle using the modeling tool **Maya**. [Demo](#)

RELEVANT COURSEWORK

Data Structures and Algorithms, Object-Oriented Design, Database Management Systems, Software Quality Engineering, Operating Systems