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: Javascript, Typescript, HTML/CSS, Python, Java

Libraries and Tools: React, MongoDB, Chakra UI, Express.js, Node.js, Next.js, Tailwind CSS, Postman, SQL, Git, Excel

PROJECTS

- **Portfolio**

  Designed a personal portfolio using **Next.js, Tailwind CSS, and Typescript**. Created to highlight my expertise in web development and responsive design. Deployed on Vercel for continuous deployment and optimized performance. Website

- **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

- **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

- **BRAF Prediction**

  Scraped and clean data using **Python**. Trained SVR model to predict small molecule inhibitors for the BRAF gene. Source

RELEVANT COURSEWORK

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