CHARLENE TRAN

Software Developer

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https://github.com/CharleneTran0718

Website: *https://charlenetran.vercel.app/*

Skills

Languages

- Python
- HTML/CSS
- Java
- JavaScript
- C, C++, C#
- Haskell

Databases/Frameworks

- SQL (MySQL, PostgreSQL, Oracle)
- MongoDB (Atlas)
- React

Relevant Courses

- Data Structures
- Database Fundamentals
- Computer Architecture
- Cybersecurity
- Object Oriented Application Development
- Algorithms
- Operating Systems
- Software Engineering
- Discrete Mathematics
- Probability and Statistics Computing

Technical Skills

- Windows
- Linux (WSL)
- Mac OS X
- Pycharm
- Visual Studio Code

Education

Bachelor's in Computer Science

California State University of Long Beach

August 2021 - current
Long Beach, CA
GPA: 3.8

Awards

- ***CSULB President's Certificate of High Scholastic Achievement:***
  - President's Honor List **(Fall 2021, Spring 2022, Spring 2023, Fall 2023)**

Academic Projects

Daily Quote Web Application

NOVEMBER 2023

- Developed a responsive and visually appealing web application using HTML, CSS, and JavaScript
- Designed an intuitive user interface with a quote box, author information, and buttons for interaction
- Integrated Twitter functionality to allow users to share the daily quote on their Twitter accounts

Job Exchange Platform (J4J)

OCTOBER 2023

- Engineered a Flask-based web application for a job exchange platform
- Integrated MongoDB as the backend database to store user information and job details
- Leveraged MongoDB Atlas to store and manage user data, job details, and chat logs securely in the cloud
- Developed a trade system allowing users to propose, edit, and accept or decline job trades with other users

Enrollment Tracker

MARCH 2023 - MAY 2023

- Worked on back-end development to store information on students' major, class, and section enrollments
- Implemented MongoDB queries and updates to handle deletion constraints for active enrollments
- Developed a mechanism for handling major declarations by students, including validation defined in JSON schemas to maintain data integrity and prevent duplicate content
- Ensured scalability and flexibility by dynamically fetching and updating data based on user input and MongoDB queries