

# CHARLENE TRAN

## Software Developer

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📍 Santa Ana, CA

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🔗 <https://github.com/CharleneTran0718>

Website: <https://charlenetran.vercel.app/>

## Skills

### Languages

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

### Tools/Databases

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

### Relevant Coursework

- Software Management and Testing
- Software Development with Frameworks
- Machine Learning
- Data Structures
- Database Fundamentals
- Computer Architecture
- Cybersecurity
- Object Oriented Application Development
- Algorithms
- Operating Systems
- Software Engineering
- Discrete Mathematics & Statistics

### Technical Skills

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

## Education

*Bachelor's in Computer Science*

### California State University of Long Beach

📅 August 2021 - current

📍 Long Beach, CA

🎓 GPA: 3.85

### Awards

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

## Experience

### DubHacks - University of Washington Hackathon

📅 OCTOBER 2023

- Engineered a Flask-based web application for a job exchange platform (Job For Job)
- 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

## 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

### 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
- Ensured scalability and flexibility by dynamically fetching and updating data based on user input and MongoDB queries