

# Charlene Tran

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## EDUCATION

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**California State University of Long Beach | Long Beach, CA**

**Expected Graduation:** December 2024

**B.S. in Computer Science | GPA:** 3.8/4.0

**Relevant Courses:** Software Development with Frameworks, Machine Learning, Artificial Intelligence, Cybersecurity, Software Management and Testing, Database Fundamentals, Object Oriented Application, Operating Systems, Data Structures, Algorithms

## TECHNICAL SKILLS

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**Programming Languages:** Python | Java | C# | C | C++ | HTML | CSS | JavaScript | T-SQL | SQL

**Databases:** Microsoft SQL Server, PostgreSQL, MySQL, MongoDB (NoSQL).

**Frameworks/Tools:** .NET | React.js | React Native | Flask | Django | Azure | AWS | Microsoft Defender | Git | Github | Jira

## EXPERIENCE

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**Information Security Student Assistant | California State University, Long Beach**

**June 2024 - Current**

- Conducted third party risk assessments, procedure documentation, and internal processes validation
- Worked with the Security Team to record, track and communicate IT security through active directory and utilized VMware Workstation for **testing** group policy objects
- Utilized **Python** and **SQL** to automate data analysis and reporting for security incidents

## PERSONAL PROJECTS

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**Emotion Recognition Software**

**March 2024 - Current**

- Designed low and high-fidelity prototypes using **Figma** to improve user interface and enhance user experience
- Set up and managed tasks using **Jira**, creating and organizing **tickets** to ensure smooth project workflow
- Developed and maintained full-stack applications using Python, **Django**, and **React Native**.

**Food Truck Navigation Application**

**February 2024 - April 2024**

- Led a team as project manager, implementing **Agile** methodology via Jira for task allocation and progress tracking
- Integrated **React.js** with custom-built endpoints, using **Axios** for **asynchronous API** calls to fetch and display data
- Utilized Yelp **APIs** to fetch food truck data and incorporated the retrieved information into the app's database
- Designed and implemented **RESTful APIs** in **Flask** to handle location data, user preferences, and real-time updates

**Job Exchange Platform**

**October 2023**

- Engineered a **Flask**-based web application for a job exchange platform
- Integrated **MongoDB** to store user/job information and utilized **CRUD** methods to develop a trade system
- Designed front-end interfaces with **HTML**, **CSS**, and **JavaScript**, ensuring responsive user experience

**Enrollment Tracker**

**March 2023 - May 2023**

- 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

## AWARDS/CERTIFICATIONS

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**President's Certificate of High Scholastic Achievement**

**August 2021 - Current**

- Earned a place on the CSULB President's Honor List (Fall 2021, Spring 2022, Spring 2023, Fall 2023)

**LAHacks 2024 | University of California, Los Angeles Hackathon**

**April 2024**

- Earned **first place prize** with the best use of the Reflex framework by developing an application aimed at predicting heart disease, showcasing proficiency in incorporating **Google's Gemini AI**, **machine learning models**, and **APIs**