

# Alexis Vu

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## EDUCATION

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**California State University, Fullerton**

*B.S. Computer Science*

Fullerton, CA

*May 2024*

## EXPERIENCE

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**Trader Joe's**

*Crew Member*

Oct. 2019 – Present

*Orange, CA*

- Collaborate with team members to maintain an organized and efficient product section, improving workflow and reducing restocking time.
- Demonstrate problem-solving abilities by addressing customer concerns or product issues in real-time, contributing to customer satisfaction and store success.
- Engage with customers on the sales floor to provide recommendations and build product knowledge, fostering a welcoming and informative environment.

## PROJECTS

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**Object Detector** | *React, JavaScript, Tensorflow.js, COCO-SSD, HTML, CSS*

- Built a web app using **React** and **Tensorflow.js** with the **COCO-SSD** model to identify real-time objects via webcam stream or uploaded images.
- Enabled user-controlled detection parameters (threshold, max detections), improving accuracy across diverse use cases.

**TaskPilot** | *Python, Flask, Celery, Redis, Nginx, MySQL, JWT, Postman*

- Engineered a full-featured backend for a task management app using **Flask** and **MySQL**, supporting user registration, login, and CRUD operations.
- Integrated **Celery** and **Redis** to handle background task execution asynchronously, improving responsiveness and system scalability.
- Added route protection using **JWT**-based authentication to secure user sessions and API access.

**QuizLingo** | *Kotlin, Google ML Kit Translator API, Unsplash Image API*

- Developed a mobile language learning app in **Kotlin** that displays an image and prompts users to input the correct translation in the target language.
- Integrated the **Unsplash Image API** and **Google ML Kit Translator API** to provide contextual images and validate input in real-time.

**University Database** | *HTML, CSS, MySQL, PHP*

- Designed and implemented a database system using **MySQL** and **PHP** to manage students, courses, and faculty data.
- Built a responsive interface with **HTML/CSS** to simplify user access to educational data.

## TECHNICAL SKILLS

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**Languages:** Python, JavaScript, C/C++, Kotlin, HTML, CSS, PHP

**Frontend:** React, Next.js, Tailwind CSS

**Backend:** Flask, MySQL