



RHUNNAN DWIGHT LIAO

STUDENT OF UNIVERSITY OF SAN-JOSE RECOLETOS

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SKILLS

HTML

Cascading Style Sheets

Fastapi

C (Programming Language)

C++ (Programming Language)

C# (Programming Language)

Java (Programming Language)

Python (Programming Language)

JavaScript

React.js

Next.js

Flutter

Firebase

SQL

Django REST Framework

Github

Artificial Intelligence (Ai)

Object Oriented Programming

TypeScript

Relational Databases

Unified Modelling Language

Communication

EDUCATION

Bachelor of Science in Computer Science

**University of San-Jose
Recoletos**

Jan. 2021 - Dec. 2025

Basak Campus, Cebu City, Philippines,
6000

PROJECTS

RxSeek App (Domain Specific Large Language Model fro Drug information with integrated OCR for drug identification and Sentiment Analysis)

Front End Developer and AI - Developer

University of San-Jose Recoletos

June 2024 - current

- A responsive app built using Flutter, Django Rest Framework, Firebase, Pinecone and OpenAi. That allows users to chat or converse with a specific drug domain oriented chatbot to get reliable insights about the use and feedback of a certain drug. The app has the following features: Sentiment analysis to help in decision-making, OCR to ease inputs or help users with vision disabilities, and RAG and LLM to generate reliable and drug-specific responses for the users.
- The features of the this app is built using Tensorflow for OCR, Scikit-Learn in python for Sentiment Analysis, and LangChain, Pinecone, and GPT model for LLM.

Truck Ban Violator Detector

Creator | University of San-Jose Recoletos

March 2024 - April 2024

- A program that will automatically detect trucks passing by on a street during truck ban hours. The program was built using python language, pretrained models and existing libraries in python. The program will detect the trucks and then capture images of the license plate of the cars and save it in the system. With this every violators will be tracked using their license plate and get their penalties. The Government's, man power can be save to do other important things since the street with this application will need only few traffic enforcers to control the street and this will discourage violators and minimize traffic in the streets.
- The features of this program is build using existing pre-trained models in YOLO (You Only Look Once) a object detection algorithm, CV2 to read and capture images, numpy to get the coordinates of the detected part of the frames or images. and cvzone to manipulate images.

Ecommerce App

Frontend

University of San-Jose Recoletos

November 2023 - Decemeber 2023

- The Ecommerce application is built using reactjs library, nextjs framework, and mongoDB as database. The app displays existing items in the shop and it allows users to add items in to their cart. The application interactively changes the number of the items in the cart and the total amount of the items in the cart, and the number of the available items. This app also have admin part where it allows the admin to add new items in the shop. The app supports CRUD operations.

RELEVANT COURSES

Web Development

Mobile Development

Data Structures and Algorithm

Computer Programming

Analysis and Design Algorithms

Machine Learning

Software Engineering

Graphics and Visual Computing

Object Oriented Programming

Information Management

Operating Systems

Networking