

Ian Matsumoto

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SKILLS

Languages:

Python
SQL
JavaScript
HTML/CSS

Tech & Frameworks:

Git
Node/Express
Flask
Postgres
Linux

Professional:

QA process
Workflow
documentation

EDUCATION

University of Redlands
Bachelor of Science (2015-2019)
Environmental Science
Mathematics

WORK HISTORY

Data Specialist

Tesla | 10/2020 - present
Assist in the training and development of Tesla autopilot ai through the use of GIS and data labelling

- Served as a bottleneck of data labelling for six teams, identifying areas critical to training the neural network
- labeled and verified an average of 100 data sets per day in a dynamic workflow
- Increased first-pass data set accuracy to an average of 90% pre-QA
- Direct two daily feedback reports for engineering, project management, and leadership teams.

GIS Analyst

Apple via Apex Systems (Contract) | 07/2019 - 09/2020
Used GIS software to mark construction projects that would affect routing or address changes in Apple Maps

- Conduct web research on construction projects and track their progress through Apple's GIS software
- Responsible for updating and tracking maps in Riverside, San Bernardino, and Orange County covering all major routing changes within the county
- Monitor traffic and pedestrian density on maps to identify areas of potential construction
- Communicate and collaborate with city/county officials, private companies and peers regarding new projects

PROJECTS

JobScraper.io

technologies | Node, Express, Postgresql, HTML/CSS/EJS

- Scrapes LinkedIn, Indeed and Google jobs for listings that meet specified criteria. Built using Node/Express framework, ejs front end, and Postgresql database. Jobscraper.io was built to streamline my job searching process and also serve as a portfolio piece.
- User registration and authentication system built using the javascript passports library

CLI Websocket Chatbot

technologies | Python, Socket Communication

- In terminal chatroom utilizing socket communication and object oriented principles. Server accepts client connections, relaying data to all users in the chatroom.
- Uses TCP to establish connections, handling multiple clients through threading

Birthday Storage App

technologies | Flask, mySQL, HTML/CSS/JavaScript

- Flask application that stores birthdays and names utilizing SQLite for a lightweight test application.
- Simple UI design with buttons to create, update, display, or delete records.

