

# Ian Matsumoto

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## SKILLS

### Languages:

Python  
SQL  
JavaScript  
HTML/CSS

### Tech & Frameworks:

Git  
Node/Express  
Flask  
Postgres  
Linux

### Professional:

QA process  
Technical writing  
Workflow documentation

## EDUCATION

University of Redlands  
Bachelor of Science (2015-2019)  
Environmental Science  
GIS  
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 labeling

- Served as a bottleneck of data labeling 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
- Serve as a critical asset to the QA team and learned about the general workflow to QA process. Identify and resolve Quality Assurance workflow issues and improvement initiatives.
- 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 updated 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. The multi-client server class inherits from the base client class, accepting other client connections and relaying data to all users in the room.
- Uses TCP to establish connections, handling multiple clients through threading

### Birthday Storage App

technologies | Flask, mySQL, HTML/CSS/JavaScript

- Flask application that stores friend's birthday and and name utilizing SQLite for a lightweight test application.
- Simple UI design with buttons to create, update, display, or delete records.

