

# Ian Matsumoto



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LINKEDIN



WEBSITE

## SKILLS

### Languages:

Python

SQL

JavaScript

HTML/CSS

### Tech & Frameworks:

Git

Node/Express

Flask

Postgres

Linux

Jira

### 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

Utilize Tesla Autopilot interface to edit 2D & 3D images to train the neural network on problems regarding autonomous driving.

- Collaborate with computer vision engineers and project managers to create dynamic solutions to challenges.
- Quickly adapt to different workflows arising from specific problems faced by the neural net.
- Gain expertise on computer vision and machine learning to effectively test edge cases in data sets.
- 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.

- Research 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.

### JavaScript Coding Challenges

technologies | [JavaScript](#)

- Collection of JavaScript coding challenges. Can also be found on my website at [ianmats.com](#)

### 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.