

# 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

### 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

### 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.