Todd **Gonzalez**

✉ toddmg@pm.me | ▢ (408) 621-9711 | ⚲ Boston, MA | ⛓ toddmg.dev

Skills

Data Science:	Data Wrangling, Machine Learning, Computer Vision, Predictive Modeling, Natural Language Processing
Models:	Linear, Polynomial, and Logistic Regression, Decision Trees, Random Forests, Gradient Descent, Gradient Boosting, Convolutional and Recurrent Neural Networks, LSTM
Data Engineering:	API Deployment and Integration, SQL and Databases, Productization and Cloud, Web Scraping
Computer Science:	OOP, Data Structures, Algorithms, Hashtables, Graphs, Computer Architecture
Tech Stack:	Python, C++, Pandas, Flask, TensorFlow, Google Cloud Vision OCR, SQLite, PostgreSQL Amazon Web Services

Projects

MyDish   Link

VERSION-CONTROL COOKING APP BUILT IN REACT NATIVE WHICH ALLOWS USERS TO QUICKLY MAKE AND SEE CHANGES TO THEIR RECIPE.   *Feb - April 2020*
- Built an Image Parsing API in Python using Google Vision OCR capable of extracting full cookbook recipes from a photo.
- Enhanced API with RegEx and NLP models to retrieve, clean, and send appropriate recipe data to the front end.
- Deployed API to AWS SageMaker with complete endpoints for live app integration.

PicMetric   Link

FLASK WEBAPP BUILT IN **PYTHON** WHICH DISPLAYS CATEGORICAL INFORMATION ON THE USER'S UPLOADED PHOTO USING A NEURAL   *November 2019*
NETWORK TRAINED ON 24,000 IMAGES.
- Pickled a pre-trained Resnet50 Convolutional Neural Network specializing in object detection
- Deployed model using Flask with API with endpoints interfacing between the front-end, the model, and the PostgreSQL database.
- Deployed Flask API on Heroku for full webapp functionality and autonomy.

Conway's Game of Life   Link

A RULE BASED, TURING COMPLETE, CELLULAR AUTOMATON DESIGNED WITH A MIX OF OOP AND FUNCTIONAL PARADIGMS IN **PYTHON**.   *March 2020*
- Built a cell and board class with dual buffering event handlers to check the state of neighboring cells.
- Built a GUI for the user to pause, resume, and clear the board. The user can also select from popular Game of Life preset layouts.

Work Experience

Lambda School   San Francisco, CA

TEAM LEAD - DATA SCIENCE   *Oct 2019 – May 2020*
- Performed extensive daily code reviews and quality assurance, ensuring full functionality and completion of team's projects.
- Conducted daily meetings with individual team members for general code assessment and feedback reports.
- Directed daily team stand-up meetings for end of day progress briefings to enforce Agile development practices on students.

Greentique Hotels   Manuel Antonio, Costa Rica

DIGITAL MARKETING SUPERVISOR   *Aug – Dec 2018*
- Aggregated and cleaned hotel chain's business data to produce viable leads for sales team
- Studied hotel chain's performance to adapt marketing strategies to best fit seasonal target audiences
- Built hotel chain's online presence based on data driven decision-making to improve and maintain traffic engagement

Education

Lambda School   San Francisco, CA

DATA SCIENCE   *Aug 2019 – July 2020*

DeAnza College   Cupertino, CA

AS IN COMPUTER SCIENCE   *Aug 2016 – Dec 2017*