

# Todd Gonzalez

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## Work Experience

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### Lambda School

TEAM LEAD - DATA SCIENCE

San Francisco, CA

Oct 2019 – May 2020

- Performed extensive code reviews and quality assurance, ensuring full functionality and completion of team's projects
- Orchestrated and directed daily team stand up meetings for end of day progress briefings
- Conducted daily meetings with individual team members for general assessment and feedback reports

### Greentique Hotels

DIGITAL MARKETING SUPERVISOR

Manuel Antonio, Costa Rica

August 2018 – December 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

## Projects

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### Pic Metric

Flask, Resnet50, JSON Requests,  
Heroku

WEBAPP THAT DISPLAYS CATEGORICAL INFORMATION ON THE USER'S UPLOADED PHOTO USING A NEURAL NETWORKED TRAINED ON 24,000 IMAGES. CONTRIBUTION: DEPLOYED THE PRE-TRAINED RESNET50 CONVOLUTIONAL NEURAL NETWORK TO A FLASK API, CREATING ENDPOINTS WHICH ENABLED INTERFACING BETWEEN THE FRONT-END, THE MODEL AND THE POSTGRESQL DATABASE.

<https://github.com/Build-Week-Pic-Metric-1/Data-Science2>

### MyDish

Google Cloud Vision OCR, Flask,  
Regex, NLP

A VERSION-CONTROL COOKING APP BUILT IN REACT NATIVE WHICH ALLOWS USERS TO QUICKLY MAKE AND SEE CHANGES TO THEIR RECIPE. CONTRIBUTION: IMAGE PARSING API BUILT ON FLASK WITH CAPABILITIES TO EXTRACT FULL RECIPES FROM A PHOTO SENT TO AN AWS SAGEMAKER BACKEND WHICH PROCESSES THE IMAGE USING GOOGLE VISION OCR (IN TANDEM WITH REGEX AND NATURAL LANGUAGE PROCESSING) AND RETURNS A JSON OBJECT TO THE FRONT END TO FILL OUT THE IN-APP RECIPE FORM. WORKS FOR UP TO 50 LANGUAGES WITH HIGHEST ACCURACY IN ENGLISH, SPANISH AND FRENCH.

<https://github.com/Lambda-School-Labs/MyDish-DS>

## Education

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### Lambda School

DATA SCIENCE

San Francisco, CA

Aug 2019 – July 2020

### DeAnza College

AS IN COMPUTER SCIENCE

Cupertino, CA

Aug 2016 – Dec 2017

## Skills

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