Todd **Gonzalez**

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Work Experience

Verizon / Accenture
Boston, MA
LEAD ENGINEER - DATA SCIENCE
Nov 2020 - May 2022
- Analyzed and cleaned 10+ data-sets, with upwards of 5,000,000 fields each, to be used by the experimental models.
- Developed and tested 6 models using Python and SQL for Verizon's team to better target cell tower construction times.
- Coordinated the deployment of the final model to production with a team of Data Engineers and Front End developers.
- Improved Verizon's main cellular site deployment target accuracy by 76%, correcting budget and time consumption.

Lambda School
San Francisco, CA
TEAM LEAD - DATA SCIENCE
Oct 2019 – May 2020
- Performed 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 progress briefings to enforce Agile development practices on students.

Greentique Hotels
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.

Projects

MyDish
Link
VERSION-CONTROL COOKING APP BUILT IN REACT NATIVE, ALLOWING USERS TO QUICKLY MAKE AND SHARE CHANGES TO THEIR PERSONAL RECIPES.
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 NETWORK TRAINED ON 24,000 IMAGES.
November 2019
- 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.

Skills

Data Science: Data Wrangling, Machine Learning, Computer Vision, Predictive Modeling, Natural Language Processing, Data Visualizations, Neural Networks

Data Engineering: API Deployment and Integration, SQL and Databases, Productization and Cloud, Web Scraping

Computer Science: OOP, Data Structures, Algorithms, Hashtables, Graphs, Computer Architecture, Unit Testing

Tech Stack: Python, C++, Pandas, Flask, Keras, PyTorch, TensorFlow, Scikit-learn, NumPy, SciPy, NoSQL, MongoDB, PostgreSQL, AWS, PyPlot, Seaborn, Matplotlib, XGBoost

Education

Bloom Institute of Technology
San Francisco, CA
DATA SCIENCE - GRADUATE
Aug 2019 – July 2020