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# **Software Engineer, Machine Learning**

A dedicated manager turned Machine Learning Engineer, enthusiastic for the innovative ways technology can impact people. After excelling in a Property Management career, where I built communication and reporting skills that would prove useful in any career trajectory, I yearned for a fulfilling challenge better aligned with my technical/engineering background. Now I've seized the moment to transition into an exciting career in Big Data/Artificial Intelligence/Data Science!

## **Skills**

Python | Data Analytics

Machine Learning | TensorFlow Keras | scikit-learn | Statistics | SQL Git | Google Cloud Platform (GCP) | JSON

# **Projects**

#### **NYC Taxi Fare Prediction Capstone**

Udacity & Kaggle Competition 09/2018

- Successfully deployed a state-of-the-art Wide and Deep TensorFlow regressor
- Production-ready and scalable in Cloud ML Engine
- EDA and trained with 55 million row dataset
- Placed within top third on the leaderboard with 3.26 RMSE (within 2 points of the top score)

## **Reinforcement Learning Quadcopter**

Udacity 07/2018

- Trained a drone simulation to maintain stable flight within 300 episodes
- Implemented a cutting-edge Deep Deterministic Policy Gradients (DDPG) Actor/Critic model

## **Recycle Bits**

Hackathon 02/2018

- Earned 2nd place using Computer Vision and Microsoft Azure APIs to classify trash into distinct categories of Recyclable, Compostable or Refuse
- First implemented as a responsive web app for consumers, with a leaderboard system
- Also envisioned a business plan to create smart trash cans and automated industrial trash sorting

#### **Education**

## **Machine Learning Engineer Nanodegree**

Udacity 01/2018 — 09/2018

 Mastered Model Evaluation/Validation, Supervised Learning, Deep Learning, Unsupervised Learning & Reinforcement Learning via exceptional projects

#### **Machine Learning with TensorFlow on GCP**

Coursera 07/2018 — 08/2018

 5-course specialization by Google Cloud on how Google creates scalable and deployable Machine Learning models at large-scale

# **Introduction to Programming Nanodegree**

Udacity 09/2016 — 01/2017

• Learned HTML, CSS, Software Design, Debugging, Python, Pandas, NumPy, matplotlib & Data Analysis

# **Experience**

#### Student Mentor

Remote/Gig

Udacity

11/2017 — Present

- Perform code reviews with constructive feedback
- Advise & Teach students
- Consistent 5-Star ratings
- Troubleshoot & Motivate through challenges

# Software Development Student Seattle

Self 07/2016 — Present

Computer Science | Statistics | Linear Algebra |
Calculus | Algorithms | Machine Learning

#### **Property Management** Seattle & CA

Essex & W.N.G.

05/2009 - 07/2016

 Managed 7 people | Grew business 7% | Awarded for customer satisfaction | Reduced turnover 42%