

Wayde T Gilliam IV

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SUMMARY OF QUALIFICATIONS

Language Proficiencies: Python, Java, Javascript, HTML, CSS, Lua

Framework / Library Proficiencies: Tensorflow, Keras, Pytorch, Fastai, CUDA/CUDNN, scikit-learn, Flask/FastAPI, Pandas, Numpy, Beautiful Soup, Scrapy, Multiprocessing

Tool/OS Proficiencies: AWS (ec2, Sagemaker, Lambda, EB), GCP, MySQL/NoSQL, Tableau, Firebase, MongoDB, SolidWorks, ROS

Other Proficiencies: Basic electronics/pneumatics, SLAM, HSMWorks, Machining, 3D printing

EXPERIENCE

ElectrifAi

Dec 2019 - Jan 2020

Data Scientist

Built out end-to-end data preprocessing by scraping popular social media websites and building datasets. Developed multi classification models and recommender systems with transformer architectures based on client needs.

Lofty AI (Y Combinator S19)

June - Sept 2019

Machine Learning Engineer

Employee #4 that helped reach our seed round funding goals pre YC Demo Day. Built out ML and Data Preprocessing pipelines to predict appreciating neighborhoods. Developed time series and regression models for price/neighborhood trends and instant price prediction.

UCSD OSI

June 2018 - June 2019

Machine Learning Engineer

Developed and improved NLP machine learning models/neural networks for sentiment analysis and entity identification, reporting such findings via Tableau.

Projects & Publications

DeMarkify: Removes watermarks & image artifacts on input images using Self Attention GANs, Fastai, and Pytorch Resnet models with a Unet architecture.

FRC Scouting App: Developed a webapp that predicts robot match and competition results using RNN models, presented at FRC World Championships and used by 50+ FRC teams

FRC Robot CAD: Led the design of 4 120 lb robots in SolidWorks over the course of 4 years to perform various tasks per competition year, including cascading elevators, shifting gearboxes, and intake mechanisms.

Deep Learning Rig: Built my own Linux server for training/running ML/DL models.

EDUCATION

UC San Diego: B.S. Data Science

Online: Fast.ai Deep Learning Part 1 & 2 (Fast.ai),

Coursera Machine Learning Certification (Stanford/Andrew Ng)