

Wayde T Gilliam IV

Phone: (760)-718-2610 | E-mail: waydegilliam@gmail.com

Website: waydegg.com | **GitHub:** github.com/waydegg | **LinkedIn:** linkedin.com/in/waydegilliam

SUMMARY OF QUALIFICATIONS

Language Proficiencies: Python, Java, Javascript, HTML, CSS, Lua, basic C/C++

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

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

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

EXPERIENCE

ElectrifAi

December 2019 - Present

Data Science Intern

Built out end-to-end data preprocessing pipelines for unstructured data sources. Developed transformer models and recommender systems based on client needs.

Lofty AI (Y Combinator S19)

June - September 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 / Data Science Intern

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.

PhoneFinder Object Detection: Tracks the center of a phone using Pytorch and Fastai.

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 (Class of 2021): B.S. Data Science

Online: Fast.ai Deep Learning Part 1 & 2 (Fast.ai), Coursera Machine Learning Certification (95.3% course grade) (Stanford/Andrew Ng) - 08/31/2017