# Wayde T Gilliam IV

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## SUMMARY OF QUALIFICATIONS

<u>Language Proficiencies:</u> Python, Java, Javascript, HTML, CSS, Lua
<u>Framework / Library Proficiencies:</u> Tensorflow, Keras, Pytorch, Fastai, CUDA/CUDNN, scikit-learn, Flask/FastAPI, Pandas, Numpy, Beautiful Soup, Scrapy, Multiprocessing
<u>Tool/OS Proficiencies:</u> AWS (ec2, Sagemaker, Lambda, EB), GCP, MySQL/NoSQL, Tableau, Firebase, MongoDB, SolidWorks, ROS
<u>Other Proficiencies:</u> Basic electronics/pneumatics, SLAM, HSMWorks, Machining, 3D printing

## EXPERIENCE

**ElectrifAi**                                                      **Dec 2019 - Jan 2020**
<u>Data Scientist</u>
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**
<u>Machine Learning Engineer</u>
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 models for price/neighborhood trends and instant price prediction.

**UCSD OSI**                                                       **June 2018 - June 2019**
<u>Machine Learning Engineer</u>
Developed and improved NLP machine learning models/neural networks for sentiment analysis and entity identification on survey data, reported such findings via Tableau.

## Projects & Publications

<u>DeMarkify:</u> Removes watermarks & image artifacts on input images using Self Attention GANs, Fastai, and Pytorch Resnet models with a Unet architecture.
<u>FRC Scouting App:</u> Developed a webapp that predicts robot match and competition results using RNN models, presented at FRC World Championships and used by 50+ FRC teams
<u>FRC Robot CAD:</u> 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.
<u>Deep Learning Rig:</u> Built my own Linux server for training/running ML/DL models.

## EDUCATION

<u>UC San Diego:</u> B.S. Data Science
<u>Online:</u> Fast.ai Deep Learning Part 1 & 2 (Fast.ai),
Coursera Machine Learning Certification (Stanford/Andrew Ng)