Omar Abusheikh

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Technical Skills

- Python
- R
- SciKit-Learn
- Tensorflow / Keras
- Numpy / Scipy / Pandas
- Heroku / FloydHub

- Probability / Advanced Statistics
- Calculus / Linear Algebra
- SQL / MySQL / Oracle / Sqlite
- NoSQL / MongoDB
- ETL / CRUD / Scraping
- Data Collection / Wrangling

- HTML / Javascript / CSS
- Node Package Manager (npm)
- RESTful API
- Git / Github
- Regular Expressions
- Excel / VBA

Relevant Experience

Tabscanner (Start-up)   *Machine Learning Engineer*   2019 – Present
- Data collection from 1,000+ consumer receipts and training Optical Character Recognition (OCR) model, which is used in a production API by over 20 organizations
- Backend tuning of MySQL Database, resulting in 99% accuracy in Indonesian receipt scanning accuracy
- Production API testing, support, and documentation

Advanced 1   *Project Specialist (SQL Database)*   2016 – 2019
- Maintained and supported 15 distinct SQL (Oracle 11g) project databases for Charter Communications, approximately 100GB each, which stores the telecom infrastructure data that services over 15 million customers
- Solely responsible for all TSG (Technical Services Group) operations, including all internal db support tasks, from November 2018 through July 2019
- Developed and implemented multiple operational processes which led to the downsizing of the Technical Services Group from 7 individuals to 1.

Plasmatronycs (Start-up)   *Research Analyst*   2013 – 2014
- Assessed commercial viability/feasibility (Quicklook) of 'plasma gasification' waste-to-energy technology
- Supported engineers with creation of functional prototype, by sourcing $20k worth of materials, and product testing
- Helped prepare business plan, which advanced team to ATI's SEAL Program during '14 Texas Venture Labs Competition

Technical Projects

Digit Classifier Application | Github

Technologies: Tensorflow, keras, matplotlib, pandas, numpy, matplotlib, Flask, Requests, RESTful API, npm
- Full-Stack Python-Requests Web Application deployed on PaaS, which predicts hand-drawn integers by user
- Convolutional Neural Network (CNN) model trained on 60,000 hand drawn digits from the MNIST dataset

Global Earthquakes Application | Github

Technologies: JavaScript, JQuery, leaflet.js, d3.js, API, npm, gulp
- JavaScript Web Application deployed on PaaS, which displays visualization of earthquakes over the past week
- Developed using leaflet.js and d3.js using node package manager, with data retrieved via API calls from the USGS

Education & Certifications

Deeplearning.ai	Deep Learning Specialization	12/2019
UT Austin, McCombs School	Data Analysis & Visualization Certificate	04/2019
University of Pennsylvania, Wharton	Business Foundations Certificate	11/2016
UT Austin, College of Natural Sciences	Bachelors in Mathematics	05/2012