Omar Abusheikh

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Technical Skills

- Machine Learning
- SciKit-Learn
- Tensorflow / Keras
- PyTorch
- Numpy / Scipy / Pandas
- Linear Algebra / Probability

- Advanced Statistics
- SQL / Oracle
- MySQL
- Excel / VBA
- Data Wrangling
- Git / Github

- Regular Expressions
- Full-Stack Development
- Web Scraping
- HTML / JS / CSS
- Restful API
- ETL / CRUD

Relevant Experience

Tabscanner   Machine Learning Engineer   2019 – Present
- Raw data collection, cleaning, preprocessing, and training of Optical Character Recognition (OCR) model,
- Performance optimization, hyperparameter tuning, and feature engineering,
- Production API testing, support, development, and documentation,
- Backend configuration and customization of MySQL Database.

Advanced 1   Project Specialist (SQL Database)   2016 – 2019
- Solely Responsible for all TSG (Technical Services Group) operations from November 2018 through July 2019,
- Implemented internal locking resolution process, cutting support-related overhead, and saving resources,
- Provided SQL (Oracle 11g) database technical support, troubleshooting, and error resolution in over 15 projects,
- Database quality control, with fluency in all client' project definitions and standards, from BAUs to as-builds,
- Coordinated db updates for special projects, including training, documentation, and process implementation,
- Data analysis via Excel (PivotTables, VLOOKUP) to determine error stats, trends, and resolution strategies.

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 materials and product testing,
- Prepared business plan, which advanced team to ATI's SEAL Program during '14 TX Venture Labs Competition.

Technical Projects

Cat or Dog Classifier | Deployed Link
Technologies: Tensorflow, keras, FloydHub, matplotlib, numpy, Flask, Requests,
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- Deep Learning Neural Network - Predicts Whether an uploaded image is that of a cat or dog,
- Full-Stack (ETL) Python-Requests Web Application.

Global Earthquakes Visualization | Deployed Link
- JavaScript visualization developed using leaflet.js and d3.js, and data retrieved via API calls from the USGS,

Education & Certifications

Deeplearning.ai	Deep Learning Specialization	estimated: 11/2019
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