

# 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