OMAR ABUSHEIKH

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Location: Austin, TX, USA

MACHINE LEARNING / DATA SCIENCE

TECHNICAL SKILLS

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

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

- Full-Stack Developer
- HTML / JS / CSS
- Node Package Manager (npm)
- RESTful API
- Git / Github
- Regular Expressions
- Excel / VBA

CURRENT WORK EXPERIENCE

MACHINE LEARNING ENGINEER
TABSCANNER - 04/2019-PRESENT
- Aggregate data from 1,000+ consumer receipts, used in training Optical Character Recognition (OCR) model, which is used in a production API by over 20 organizations
- Tune hyperparameters, resulting in 99% accuracy in Indonesian receipt scanning accuracy
- Contribute to production API development, testing, deployment, and documentation

TECHNICAL PROJECTS

DIGIT CLASSIFIER | GITHUB
- Technologies: TensorFlow, keras, Scikit, pandas, numpy, Flask, Requests, API: REST, npm, unix, Supervised ML
- Full-Stack Scripted Python-Requests Application deployed on PaaS, which predicts hand-drawn integers
- Convolutional Neural Network (CNN) model trained on 60,000 hand drawn digits from the MNIST dataset

EARTHQUAKE VISUALIZER | GITHUB
- Technologies: JavaScript, JQuery, leaflet.js, d3.js, API, npm, gulp, JSON, unix
- 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

PREVIOUS WORK EXPERIENCE

PROJECT SPECIALIST (SQL DATABASES)
ADVANCED1 - 2016-2019
- Supported 15 distinct SQL (Oracle 11g) project databases for Charter Communications, approximately 100GB each, which store the telecom infrastructure data servicing over 15 million customers
- Developed and implemented multiple operational processes which led to the downsizing of the Technical Services Group from 7 individuals to 1
- Maintained sole responsibility for TSG (Technical Services Group) operations, including all internal db support / troubleshooting tasks, daily analytics, and long-term forecasting from November 2018 through July 2019

RESEARCH ANALYST
PLASMATRONYCS (START-UP) - 2013-2014
- *Assessed commercial viability/feasibility (Quicklook Methodology) of plasma gasification waste-to-energy technology*
- *Assisted and consulted engineers during 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 2014 Texas Venture Labs Competition*

EDUCATION & CERTIFIATIONS

UNIVERSITY OF TEXAS AT AUSTIN
MCCOMBS SCHOOL OF BUSINESS
Data Analysis & Visualization Certificate

UNIVERSITY OF TEXAS AT AUSTIN
Bachelors in Mathematics

UNIVERSITY OF PENNSYLVANIA
WHARTON SCHOOL
Business Foundations Certification

DEEPLEARNING.AI
Deep Learning Specialization (12/19)