



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

- Raw data collection, cleaning, preprocessing, & training of Optical Character Recognition (OCR) model
- Performance optimization, hyperparameter tuning, & feature engineering
- Production API testing, support, development, & documentation
- Backend configuration & customization of MySQL Database

TECHNICAL PROJECTS

DIGIT CLASSIFIER | 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

EARTHQUAKE VISUALIZER | 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

PREVIOUS WORK EXPERIENCE

PROJECT SPECIALIST (SQL DATABASES)

ADVANCED 1 - 10/2015 TO 04/2019

- Provide SQL (Oracle 11g) database technical support, troubleshooting, & error resolution in over 15 projects
- Specialized in database quality control, with fluency in all client's project definitions & standards, from BAUs to as-builds
- Coordinated special project db updates, including design team training, process implementation, & documentation,
- Daily data analysis via Excel (PivotTables, VLOOKUP) to determine error stats, prevailing trends, & resolution strategies.

RESEARCH ANALYST

PLASMATRONYCS (START-UP) - 2013-2014

- Assessed commercial viability (Quicklook methodology) & feasibility of 'plasma gasification' waste-to-energy technology
- Supported engineering team of 4 people with creation of functional prototype, by sourcing materials & product testing
- Collaborated on business plan (used in '14 Tx Venture Labs competition) where team was picked to join ATI's SEAL Program.

EDUCATION

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

DEEPLARNING.AI

*Deep Learning Specialization
(To Be Completed on 12/19)*