Omar Abusheikh Data Science | Consulting | Research

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Professional Experience

Tabscanner (Start-up) - Austin, TX　　*Machine Learning Engineer / Consultant*　　2019 – Present

- Consulted management on industry, competition, and strategy, after conducting extensive market research
- Aggregated data from receipts, invoices, and expense reports of 1,000+ consumers in 8 languages for ML model training
- Led small optimization project which led to 99% accuracy in Indonesian receipt scanning accuracy
- Testing, supporting, documenting, and backend tuning for production API used by over 20 organizations in 5 countries

Self - Austin, TX (Remote)　　*Freelance Technology Consultant*　　2018 – Present

- Consulting companies across multiple industries regarding disruptive technologies, competition, and strategic planning
- Customized research, data analysis, and reporting to client needs
- Clients include: **Nuun** Watches (New York City, NY), Handsome (Austin, TX), and Umbel (Austin, TX)

Advanced 1 - Georgetown, TX　　*Project Specialist (SQL Database)*　　2016 – 2019

- Supported 15 SQL (Oracle 11g) databases (infrastructure data) for Charter Communications, approximately 100GB each
- Provided technical support for databases which service over 15M customers in the USA
- Implemented multiple operational processes which led to the downsizing of TSG from 7 individuals to 1
- Solely responsible for all TSG (Technical Services Group) operations, from 11/2018 through 07/2019

Plasmatronycs (Start-up) - Austin, TX　　*Research Analyst / Consultant*　　2013 – Present

- Consulted original team regarding 'plasma gasification' waste-to-energy technology, including commercial feasibility
- Prepared business plan which advanced team to ATI's SEAL Program during '14 Texas Venture Labs Competition
- (Current Role) Quarterly consulting meeting with management regarding industry trends and company strategy

Technical Projects

Hand-Drawn Digit Classifier Application (CI/CD) | Github	Global Earthquakes Visualizer (CI/CD) | Github

Education

University of Texas at Austin　　*Bachelors in Mathematics*　　05/2012

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

Skills

Data Science (Daily Tools): Python, Scikit Learn, Keras, Tensorflow, Pandas, Numpy, Matplotlib, Excel, Version Control (git)
Consulting and Research: Multi-Disciplinary Technical Expertise, Disruptive Technology Analysis, Industry Study
Mathematics: Advanced Statistics, Probability, Linear Algebra, Calculus, Differential Equations
Familiar Tools: Javascript, NPM, NoSQL/MongoDB, PaaS, Sqlite, MySQL, CRUD, ETL, Scraping, RESTful API
General: Adept at assessing disruptive technologies and translating technicalities into understandable reports