Gabriel (Runye) Wang

Data Engineer

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Skills

Programming Languages
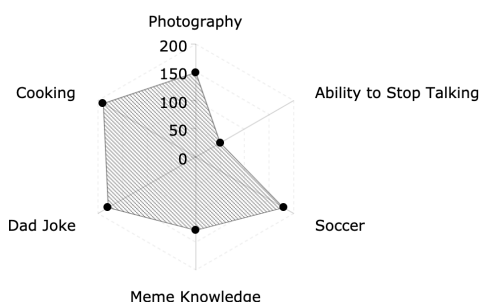
Python, SQL, Scala, Java

Frameworks

Big Data - Airflow, Spark, TensorFlow, Kafka
Platform - AWS, GCP, Databricks, Tableau
DevOp - UNIX, K8S, Docker, Git, Harness
Project Management - JIRA, Agile

Data Science

Information Retrieval
Anomaly Detection
Recommending System
Natural Language Processing

Personal

Objective

I am a **Data Engineer** with **3+ years** experience of delivering **ETL pipeline**, **infrastructure,** and **automated analytical tool** that powers business and strategic decisions.

Education

Bachelor of Science in Computer Science

August 2014 - May 2018

Emory University, Atlanta, GA

Publication

"Making a Move: Geographic and Social Mobility in Late 19th Century Wedding Announcements in Turin *La Stampa*" - SSHA 2019 Annual Meeting, November 21-24

"Automatic Information Extraction of the Narrative Elements Who, What, When, and Where" - *Sociology Methodology 2029 June Edition*

Experience

Data Engineer at Tilting Point, New York, NY

Sept 2019 - Present

- Architect and implement **ETL pipeline** with **Airflow** and **Spark** to pull, process and transform marketing and user acquisition data from more than 30+ APIs to deliver daily analytical dashboards and tools that achieves 300% ROAS;

- Architect and implement **Anomaly Detection** system with **deequ** on critical data services which delivers metrics to **Prometheus, AWS Cloud Watch** and **PagerDuty**;

- Work with DevOp engineer to deploy and maintain data services on **AWS** ecosystem like **Airflow** on **EKS,** configuration db on **RDS,** access control on **VCP,** etc.

Associate Data Scientist at HEED LLC, New York, NY

Sept 2018 - July 2019

- Designed and prototyped **ETL** for streaming sensor data and with Social Media feeds processed by **Information Retrieval System**; worked with Engineering team to productionize and deploy on **GCP.**

- Designed and implemented Business Intelligent tools on **Data Studio, ELK** to support creative content team with real time data analysis;

- Analyzed app user activities with **decision tree learning** and r**andom forest** to support marketing team strategy decision and boost 400% user growth from v1.0 to v2.0;