

Summary

Senior Data Engineer with background in Computer Science and Data Analytics.
Energetic individual with hands-on experience developing robust code and building data pipelines.

Education

Arizona State University, Tempe, Arizona May 2018
Master of Science in Business Analytics (4.0 GPA)

National Taiwan University, Taipei City, Taiwan July 2017
Training Program in Computer Science and Information Engineering

Soochow University, Taipei City, Taiwan June 2016
Bachelor of Business Administration

Qualifications

- **Languages:** Python, Java, SQL, NoSQL, JavaScript
- **Tools:** Airflow, GCP, AWS, DBT, Cube.js, MapReduce, Spark, Docker, Tableau, DataStudio, Django
- **Exposure:** Kubernetes, Hive, Azure, React

Experience

Senior Data Engineer

Loreal, Taipei, Taiwan December 2021 – Current

- Responsible for working with Data Scientist to collect training data and to develop machine learning models to improve marketing performance and sales result.

Senior Data Engineer

91APP, Taipei, Taiwan July 2021 – December 2021

- Constructed ELT data pipelines between SQL Server and Google BigQuery based on Airflow and DBT.
- Developed analytical data API platform with extensions based on Cube.js and released as 91APP's major reporting service to thousands of companies for data monitoring and analytics deep dive.

Senior Data Analyst

Klook, Taipei, Taiwan March 2020 – July 2021

- Responsible for managing Analytics team BigQuery data mart to ensure clear data flow and well structured table dependency, and building company level dashboards through Tableau and Data Studio with high impact insights and perfect designed visualization.

Business Analyst

Cruise America, Mesa, Arizona June 2018 – January 2020

- Built enterprise interface and pipeline with Python and JavaScript to support sales department with the specific needs and improve the efficiency and efficacy of business data flows.

Projects

Instagram Full-Stack Development

- Developed customized Instagram using Python Django framework, implemented CRUD operations through SQL database, built dynamic web API by JavaScript Ajax technique.

Google Auto Completion

- Built N-Gram library and language model using MapReduce framework, created Hadoop clusters through Docker, and visualized the result by connecting the data to MySQL database.