

SEOIN PARK

30, Haeundaehaebyeon-ro, Haeundae-gu, Busan, Republic of Korea

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Education

POSTECH, South Korea

Feb. 2019~ Aug. 2023

Major: Industrial and Management Engineering, full scholarship(B.S. degree)

Work Experience

Chartmetric, *Data Engineer*

Feb. 2023~present

Collected music platform data (artist, track, album, playlist) and social data via API/web crawl

- Gathered comprehensive data from various music platforms, including Spotify, SiriusXM, iTunes, Resso, YouTube, Tidal, and Songkick through API integration and web crawling

Built data ETL for enterprise custom dashboards

- Developed and implemented data ETL processes for enterprise custom dashboards, utilizing AWS Glue and AWS Kinesis to store Spotify and YouTube data in Snowflake and Clickhouse.

Maintained and repaired data pipeline

- Implemented a tier system to prioritize data updates and ensured the smooth operation of data pipelines.
- Optimized DAG runs in Airflow by segmenting tasks to enhance efficiency.
- Updated and deleted incorrect or unused data, maintaining the integrity of the data infrastructure.

Created API endpoints for the backend

Sellerhub, Inc., *Data Science Intern*

Dec. 2021~ Jun. 2022

Completed creating a stable, clean version of the entire eCommerce Data Stream accrued over 7 years

- Cleansed and kept data integrity in 7 years worth of eCommerce data by

1. Identifying redundancies,
2. Working with DEV to update incorrect or omitted data,
3. Debugging and confirming the result data doesn't introduce the same issues

- Introduced Tableau (Data Visualization tool) to create Analytical Report Suite in Products, Revenue, Suppliers database

Hypothesized, analyzed, and visualized factors that influence marketing payback periods

- Identification of accounts receivable and yield analysis through matching the settlement data of malls and sellerhub's settlement data
- Data consistency analysis and improvement

Merged multiple databases and data fields from two different standalone solutions to enable full-spectrum analysis across multiple organizations.

STATISTICS & DATA SCIENCE LAB (SDS LAB), *Research intern*

Dec. 2020~ Jun. 2021

- Researched statistical theory of data analysis model
- Studied how to preprocess data through Kaggle data

Extra-Curricular Activities

Arizona State University Exchange Student

Aug. 2022~ Dec. 2022

Major: Data Science

Participated in UNIST-POSTECH-KAIST Data Science Competition

Oct. 2021~ Dec. 2021

- UNIST, POSTECH, and KAIST are three top Engineering Colleges in Korea and they host a Data Science Competition every year.

Topic: average forecast of shale gas production in the last 6 months per production well

- Establishment of purchasing strategy for production wells that can generate maximum profits

[Project] Junggonara (Apps for Buying and Selling Used Stuff) fraud detection

Apr. 2021~ Jun. 2021

Topic: developing a model for pre-screening fraudulent posts

- Web crawling posts on the Junggonara website, feature extraction, and data labeling
- Development of fraud prediction model

Student/Minority Human Rights Committee, Manager*Mar. 2019~ present*

- IDAHOT and Human rights week event planning and execution
- Budget execution and drafting of budget and settlement of accounts

Department Student Council, Public Relations Member*Feb. 2021~ Dec. 2021*

- Department PR and event planning and execution

Mu Eun-Jae, Freshman Student Council, Planning Manager*Sep. 2019~ Jun.2020*

- Event planning and management

Skills

Computer Skills Python, Tableau, SQL(PostgreSQL, MySQL), Airflow, AWS, Snowflake, MS Office, Java, C++**Certificates** TensorFlow Certificate (Jun. 2021), ADsP (Sep. 2021)**Language Skills** TOEFL iBT 103 (Sep. 2021)