



Yiting (Justin) Kuo

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ABOUT ME

Driven by a deep passion for data, I blend technical expertise with strategic insight to unlock its full potential. With a strong foundation in statistics, programming, and data engineering, I specialize in transforming raw data into meaningful insights through processing, predictive analysis, visualization, and robust infrastructure management.

EXPERIENCES

Data Engineer (Intern)

Groover

July 2024 - Present, Paris

Groover is a music tech company that is revolutionizing music promotion by ensuring feedback for musicians

- Optimized **dbt** models for data transformation, improving reporting efficiency.
- Replicated data sources to the warehouse using **AWS DMS** and **Terraform**.
- Orchestrated ETL workflows with **Airflow**, ensuring reliable data processing.
- Implemented **Elementary** monitoring to track pipeline performance and ensure data quality.
- Created **CI/CD** pipelines to automate the deployment of dbt models.

Company Research Project

Bouygues Construction

January 2024 - June 2024, Paris, France

- Designed an automated solution for comparing detailed construction planning documents to optimize project management. Utilized **Diff** algorithms, **data mining**, and **NLP**, enhancing both efficiency and accuracy.

Data Scientist (Intern)

E.sun Securities Co., Ltd

January 2021 - July 2021, Taipei, Taiwan

- Preprocessing and feature engineering of customer data for stock trading.
- Deployed **ensemble models** for customer segmentation and anomaly detection, achieving an accuracy of 82%.

PROJECTS

NLP Project: Fair Classifier for Toxic Comments

Centrale Supélec Foundation of DL • December 2023 - February 2024

- Fine-tuned Bi-LSTM, GRU, and DistilBERT models to classify the toxicity of online comments, balancing model accuracy with fairness across different groups

Analysis of Sentiment Dynamics in Subreddit Networks

Centrale Supélec ML Network Science • github.com/Justincase-Kuo/MLNS-Reddit-GNN • January 2024 - April 2024

- Prediction of inter-community relationships and identification of potential conflicts using **GraphSAGE** models, integrating both dynamic and static embeddings. Promising results for improving the management and moderation of online communities

EDUCATION

Master in Data Sciences & Business Analytics

ESSEC Business School & Centrale Supélec • Paris, France • Août 2023 - Juin 2024

Bachelor's Degree in Economics

Minor in Political Science • National Taiwan University • Taipei, Taiwan • 2022 • GPA 3.95

- Presidential Award: Once (top 5% of the semester class; 3rd place).
- Exchange program with a scholarship at Sciences Po Paris for the 2021-2022 academic year.

COMPETENCES

Programming Languages: Python (professional), SQL (professional), R (professional), C/C++ (intermediate)

Data Stack: dbt, Airflow, Terraform, GitHub Actions, Elementary, Metabase, PySpark

ML/DL Frameworks: PyTorch, TensorFlow

French: Professional (DELF C1) **English:** Fluent (IELTS 7.5) **Mandarin:** Native **Japanese:** Intermediate (JLPT N3)