

Po-Yu Hsieh

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EDUCATION

Boston University, Boston, Massachusetts, United States
Master of Science in Computer Science, GPA: 3.66

Sep 2017 — May 2019

National Taiwan University (NTU), Taipei, Taiwan
Bachelor of Business Administration in Finance

Sep 2009 — Jun 2014

WORK EXPERIENCE

CYBERBIZ Co., Taipei, Taiwan

Apr 2021 — Present

Data Engineer

- Develop and maintain data transfer pipeline between service database, data stream, and data warehouse
- Develop and maintain Data-AI Team's web API service, Data Science/AI/Analytics pipelines, and integration with other products (e-Commerce storefront, e-POS, plugin applications)
- Migrate legacy batch pipelines into Apache Airflow, create staging/testing environment, and modularize pipeline utilities for the new system
- Evaluate applications scenarios that utilize commercial LLM products (ChatGPT, Gemini, etc.) and develop product prototype to collect feedback
- Handle analytical requests from organizational departments and manage internal business intelligence dashboard

Klaviyo, Boston, Massachusetts, United States

Sep 2019 — Sep 2020

Data Science Software Engineer

- Supported team data scientists to gather service data for analysis and potential product ideas
- Sampled and compared service data from different sources to ensure data consistency of feature under development with other services
- Developed product prototype with React, Django, Flask as an internal analytics tool to collect feedback from customer success and product design teams
- Maintained automated data collecting process for COVID-19 insight analysis

Research Center for Digital Humanities, NTU, Taipei, Taiwan

Jan 2016 – Jul 2017

Research Assistant

- Developed 5 database building and text analysis webpage tools for DocuSky, a database platform to store and analyze text corpus
- Introduced DocuSky and research findings using this platform at the 2016 Conference of Digital Archiving and Digital Humanities

TECHNICAL SKILLS

Programming Language

Python, Ruby, JavaScript (ECMAScript, TypeScript)

Databases, Web Applications, Software Development

- **Database & Data Warehouse:** MySQL, PostgreSQL, SQLite, BigQuery, SQLAlchemy
- **Web Applications:** Flask, Django, Celery, Redis, React, jQuery, CSS/SCSS, HTML
- **Data Science:** Pandas, NumPy, scikit-learn, Jupyter Lab
- **Data Engineering:** Apache Airflow, Kafka
- **Cloud Service:** Amazon Web Services (AWS), Google Cloud Platform (GCP)

- **Containerization:** Docker, Kubernetes
- **Other Development Tools:** Git/Github, Poetry

LANGUAGE SKILLS

- English (TOEFL Total 106 (2016); GRE V153/Q167/AW3.0 (2016))
- Mandarin (First Language)