

YUN LEE

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EDUCATION

UNIVERSITY OF MICHIGAN
Master of Science in Information (MSI)

Michigan, U.S.A
September 2021-May 2023

NATIONAL TAIWAN UNIVERSITY (NTU)
Bachelor of Arts in Economics

Taipei, Taiwan
September 2013-June 2018

WASEDA UNIVERSITY (Double Degree)
Bachelor of Arts in Economics

Tokyo, Japan
April 2016-July 2017

WORK EXPERIENCE

Jubo Health

Remote

Data Scientist Intern

June 2021 – August 2021

Collaborated with UIUX designers and Product Managers to develop user interface friendly website

- Performed **NoSQL** syntax to query and clean more than 5,000,000 data of vital signs (5 secs per request)
- Designed Health dashboard for individual patient using **Tableau**, field across showing hourly vital signs/ daily blood sugar/ monthly weight change and quarterly patient assessments
- Containerized **python** script into **Docker**, and deployed it onto **Airflow** using Google **Big query**
- Conducted pilot interviews with 5+ health organizations to improve dashboard interfaces and user experiences

Garmin International

Taipei, Taiwan

Data Analyst

May 2019 – June 2021 (2y2m)

Functioned as main data analyst in IT department assisting in analysis requests from other departments and communicating with Japan team in Japanese

- Utilized chatbot data on dashboard to build **Natural Language Processing (NLP)** platform in Japanese monitoring real-time customer behavior, resulting in outsourcing cost savings of over USD20,000 per year
- Developed a Python package to design **ETL** automatic extraction pipeline from multiple data sources (**MySQL/Mssql/Mariadb**); created hourly auto-refreshing interactive dashboards in **Tableau**
- Used **scikit-learn** and Python API to dynamically calculate **TF-idf** value in Tableau, optimizing chatbot's responses and wording; efficiently handled customer complaints and enhanced customer satisfaction by 7%
- Integrated potential customer behavior on top 3 ecommerce platforms in Japan (Amazon/Rakuten/kakaku) by designing web crawlers with packages in **Python (Selenium/ Requests)** on dynamic and static web pages
- Co-worked with cross-functional and multinational stakeholders (application team, marketing team, and customer service team) to develop customized **dashboard**; independently developed and completed over 50 features
- Co-worked with Machine Learning Engineer (MLE) on turnover rate forecasting using **GitLab** as version control, designed forecast features with python and run **AutoML** using Azure
- Utilized Python Selenium package to conduct automation on corporate rate in third-party Back websites for finance and export/import department across 10+ countries, conducted scheduling using **Airflow**

IQVIA

Taipei, Taiwan

Primary Intelligence Analyst

July 2018 – April 2019 (10m)

- Built a regression model for market entry study; used patient number/facility capacity/willingness to cooperate in over 15 medical centers to predict entry probability before prioritizing market entry strategies
- Developed process specifications and quantified data in Excel to produce structured data output for further analysis on market landscape, brand adoption ladder, and competitor analysis
- Designed physician flow for brand-name drugs using over 10 indications, enabling favorable market access; established research scope of pre-launch discussion/physician satisfaction studies/pharmaceutical digital transformation

ADDITIONAL INFORMATION

Skills:

- Programming: Python (pandas/ numpy/ sci-kit learn/ keras/ matplotlib/ Selenium/ request)
- Database: SQL (Mysql/ Mssql/ Mariadb/ PL-SQL/ Oracle), NoSQL (MongoDB)
- Statistical Analysis Software: R, SPSS, STATA
- Visualization Tools: Tableau/ Qlik
- Tools: Linux/ Airflow/ Git /Jira (Agile Scrum)

Languages:

- Mandarin (Native), English (Fluent), Japanese (Business Proficiency)