

## YUN LEE

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GitHub : [Yun-Lee](#)

### EDUCATION

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**University Of Michigan**  
*Master of Science in Information*

Sep 2021 -

**National Taiwan University (NTU)** Taipei, Taiwan  
*Bachelor of Arts in Economics*

Sep 2013 – Jun 2018

**Waseda University** Tokyo, Japan  
*Bachelor of Arts in Economics*

Apr 2016 – July 2017

### WORK EXPERIENCE

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#### **Jubo.health**

*Product Scientist*

June 2021 – Present

*Jubo is a modern day age-tech startup provides AI healthcare solution. As a product scientist, I constructed web-based dashboard to monitoring patient health condition within NIS system. Collaborated with UIUX designers and Product Managers to develop user interface friendly website*

- Effectively handled massive amount of vital signs raw data processing based on **NoSQL** (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
- Developed and introduced Nursing Information SmartCare System with microservices running on **Docker/Kubernetes**
- Containerized **python** script into **Docker**, and deployed it onto **Airflow** using Google **Big query**
- Conducted pilot interviews with 5+ organizations to improve dashboard user experience/ accessibility

**Garmin International** Taipei, Taiwan

May 2019 – June 2021

*Data Analyst*

*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**
- Selected as best new employee of Information Technology department in 2020

**IQVIA** Taipei, Taiwan

July 2018 – Apr 2019

*User Experience Researcher*

*Responsible for conducting fieldwork interviews as well as delivering reports with business insights*

- 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

## PROJECT

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### Redesign Hulu Website targeting elderly people

#### *Web Developer*

- Combined **HTML**, **css** and **JavaScript** to clone Hulu website, redesign it with focus on elderly usage pattern
- Handled responsiveness of the website to make it available on both mobile and PC device
- Deployed static website using **AWS S3**

### Taiwan Orthokeratology Lens Market Landscape Research

#### *Project Owner*

- Lead the design of market entrance assessment to gain an overview for Taiwan OK Lens market capacity
- Web Scrape OK Lens clinic distribution google search data using **python SERP API**
- Performed interviews and **user testing** on 20+ clinics and pharmacies to discuss possible collaboration
- Build real-time dashboard chart with **Apache ECharts** and implemented periodically API requesting using **JavaScript** closure to assist local pharmacies monitor daily stock

## ADDITIONAL INFORMATION

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#### **Skills:**

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

#### **Languages:**

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