

Fangyu (Holly) Lo

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Education

Master of Science in Business Analytics, Rady School of Management 12/2021
University of California, San Diego

- Relevant Courses: Collecting and Analyzing large data, Customer Analytics, Fraud Analytics, Business Analytics in Marketing, Finance, and Operations, Project Management, Recommender Systems, Business Analytics Capstone

B.S., Quantitative Finance, National Tsing Hua University, Hsinchu, Taiwan 01/2020

- Certificate: Data Science Program, Financial Technology & Blockchain Program
- Relevant Courses: Advanced Calculus, Statistics, Mathematical Statistics, Linear Algebra, Data Structures, Introduction to Programming, Introduction to Intelligent Computing, Introduction to Machine Learning

Experience

KPMG Advisory Services Co., Ltd., Taipei, Taiwan 05/2019 - 08/2020

Researcher, IT Advisory in Management & Risk Consulting (09/2019 - 08/2020)

- Achieved cloud IT project by establishing customized project management methodology and analyzing 30+ global KPMG's cases; beat all 15+ competitors' tenders and earned highest project revenue in recent 5 years
- Counseled clients on cloud, fogs, and edge computing by presenting recent application, possible cyberattacks, and implementation recommendation, gaining clients' satisfaction over project delivery by 50%
- Increased business value by 20% by designing and developing a compliance software consolidating a database and a dashboard to integrate and visualize clients' compliance performance using C# and SQLite

Data Scientist Intern, IT Advisory in Management & Risk Consulting (05/2019 - 09/2019)

- Conducted unsupervised learning using Python Sklearn to cluster car exam data, reducing time by 70% and effort required of clients to identify abnormal car inspection entities
- Manipulated billions of car exam data from DBEaver database with SQL; mined data using Python Pandas; created columns to present suspicious results of car exam time, exporting these into excel sheets in 2 hours; won back client's trust from previous data extraction mistakes made by coworkers
- Accelerated clients' decision process by 25% and prompted immediate action by visualizing and clustering violation data in Tableau to clarify and report statistical results

E.sun Financial Holding Co., Ltd., Taipei, Taiwan 07/2018 - 08/2018

Business Development Intern, Digital Banking

- Created three business & market analyses on digital payment and cross-border shopping; identified business opportunities by conducting public statistics and applying Nudge Theory in daily financial situations
- Led a team with 3 departments' interns to propose marketing plan of online credit for students studying abroad

Projects

AI Locomotive Collision Insurance, Insurance Technology Lab, National Tsing Hua University 11/2018 - 06/2019

- Collaborated cross-functionally with 11 graduate students and 5 professors from College of EECS as well as local Insurance Company to jointly develop a P2P insurance platform with CNN image recognition method
- Facilitated insurance premium pricing based on market survey and statistical methods, resulting in company-provided locomotive insurance product for students and faculty at National Tsing Hua University

Travel Recommendation Chatbot, Text Mining Course, National Tsing Hua University 02/2019 - 06/2019

- Crawled and classified TripAdvisor web's reviews; combined Chatbot service to recommend tourist attractions

Specialized Skills

- **Languages/Coding:** Excellent in Python, SQL, Proficient in R, C/C#, MATLAB
- **Tools:** Excellent in Tableau, Jupyter Notebook, MS Office, Excel, Proficient in Google Analytics, Weka
- **Projects:** <https://github.com/hollylessthan>

Professional Affiliations

- Member: Rady Tech Club, Women of Rady, UCSD Taiwanese Graduate Student Association 2020 - 2021
- Volunteer: Syin-Lu Social Welfare Foundation - honored as "Excellent Volunteer" 2015 - 2019