

YU-HUI LIN

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PROFILE

- Analytical professional with 5-year diverse experience in finance, seeking a full-time analytics position
- Skills: Data Mining, Machine Learning, Unstructured Data Analytics, Big Data Processing, Data Visualization, ETL/ELT, Database Management, Cloud Deployment, Web Scraping, Optimization, Simulation, Scrum
- Tools: Python (Matplotlib, Scikit-Learn, TensorFlow, Keras, Transformers, Selenium, Gurobipy, Flask), MySQL, MongoDB, AWS, Azure, Tableau, Airflow, Spark, Kafka, Docker, Kubernetes, Linux, Git, Terraform
- Certificate: INFORMS Associate Certified Analytics Professional, AWS Certified Cloud Practitioner, Microsoft Azure Fundamentals, Tableau Desktop Specialist, Operations Research with SAS Optimization, Chartered Financial Analyst Level 2, Data Scientist with Python (DataCamp), Full-stack Web Developer (Udemy)

EDUCATION

Purdue University **West Lafayette, IN**
MSc, Business Analytics and Information Management, Beta Gamma Sigma honor **July 2024**

National Taiwan University **Taipei, Taiwan**
MBA, Finance, GPA 4.17/4.3 **June 2016**

National University of Kaohsiung **Kaohsiung, Taiwan**
BA, Economics, GPA 3.76/4.0 **June 2014**

PROFESSIONAL EXPERIENCE

Microsoft Corporation, Inc. **Remote, United States**
Cloud Architect Intern (via Purdue Industry Practicum) **January 2024 – April 2024**

- Spearheaded the development of a solution integrating Large Language Models (LLMs) and image-to-text technology to generate product descriptions for a national retailer, resulting in a 99% reduction in labor time
- Addressed the challenge of incomplete or inadequate descriptions for 110K products, leading to a 73% improvement rate for products with unqualified descriptions or only images.
- Designed an architecture on the Microsoft Azure platform to deploy the solution, which was shortlisted for the national INFORMS Analytics Conference Poster Competition

E.Sun Financial Holding Company, Ltd. **Taipei, Taiwan**
Investor Relations Manager **April 2019 – May 2022**

- Developed ten roadshows to acquire new investors, which increased institutional shareholders by 34%
- Boosted corporate brand image by optimizing multidisciplinary team dynamics to win “Best Bank in Taiwan” by Forbes and “Most Valuable Banking Brand in Taiwan” by The Banker

Credit Analyst, Corporate Banking **July 2017 – March 2019**

- Assessed the creditworthiness of corporate loan applicants and reported to the loan review committee, achieving a 0% default rate on 46 evaluated cases
- Organized and led departmental orientation training for new employees that resulted in a 100% satisfaction rate

PROJECTS

2024 Iowa Business Analytics Case Competition

- Developed a chatbot using Flask and the Mixtral 8x7B model to summarize employee reviews from Indeed, providing HR managers with quick insights into employee sentiment and saving 90%+ of original working time

2023 Purdue Data 4 Good Case Competition

- Leveraged Large Language Models (LLMs) to automate medical documentation extraction, securing 4th place among 290 student teams nationwide on the Kaggle Leaderboard and 2nd place in a poster competition
- Employed model selection, prompt engineering, and post-processing techniques to enhance Named Entity Recognition (NER) outputs, resulting in a Word Error Rate of 0.54 on test data