YU-HUI LIN

2464 Sycamore ln Apt #2, West Lafayette, IN │ +1 765-240-8198 │ lin1740@purdue.edu
www.linkedin.com/in/yuhuilin98

PROFILE

- Passionate student professional adept at solving business problems through quantitative methods
- 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, PySpark, Airflow, Gurobipy, Flask), Tableau, MySQL, MongoDB, AWS, Azure, Linux, Bash, Git, HTML, CSS, JavaScript

EDUCATION

Purdue University   **West Lafayette, IN**
MSc, Business Analytics and Information Management, GPA 3.69/4.0   **August 2024**

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

National University of Kaohsiung   **Kaohsiung, Taiwan**
BA, Economics, GPA 3.8/4.0   **June 2014**

PROFESSIONAL EXPERIENCE

Microsoft Corporation, Inc.   **United States (Remote)**
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
- Addressing the challenge of incomplete or inadequate descriptions of 110 thousand products, leading to a 73% improvement rate for products with unqualified descriptions or only images.
- Architected a pipeline on the Microsoft Azure platform to deploy the solution, utilizing services like Azure Blob Storage, Azure Machine Learning, and Azure Functions

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

- Developed 10 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
- Led cross-functional teams to adopt ESG ratings, engage shareholders on ESG topics, and initiate projects to promote corporate sustainability, resulting in best ESG rating from external agencies(MSCI, Sustainalytics)

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

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

CERTIFICATIONS AND RELEVANT PROJECTS

Certificate: Chartered Financial Analyst Level 2, AWS Certified Cloud Practitioner, Microsoft Azure Fundamentals, Tableau Desktop Specialist, Operations Research with SAS Optimization, Data Scientist with Python (DataCamp), Full-stack Web Developer (Udemy)

2023 Purdue Data 4 Good Case Competition

- Successfully leveraged Large Language Models (LLMs) to automate medical documentation extraction, securing 4th place among 290 student teams nationwide on Kaggle Leaderboard
- Conducted model selection and employed prompt engineering techniques to enhance Named Entity Recognition (NER) outputs, ensuring accurate extraction of vital patient data
- Employed post-processing techniques, including filling in missing values, reformatting, and error checking, resulting in a Word Error Rate of 0.54 on test data