

# YU-HUI LIN

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## PROFILE

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- 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
- **Certifications:** INFORMS Associate Certified Analytics Professional, AWS Certified Cloud Practitioner, Microsoft Azure Fundamentals, Tableau Desktop Specialist, Operations Research with SAS Optimization, Chartered Financial Analyst L2, Data Scientist with Python (DataCamp), Full-stack Web Developer (Udemy)

## EDUCATION

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**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

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**Microsoft Corporation, Inc.** **Remote, United States**  
*Cloud Solution 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

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### 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