Po-Ya Lin

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poyasharonlin.github.io/website/ PoYaSharonLin

Education

MS **National Tsing Hua University**, College of Technology Management — Sept 2024 – Current

- GPA: 4.12/4.3
- **Coursework:** Service Security (A+) , Computational Statistics for Data Science (A+), Text Mining (A+), Artificial Intelligence in Precision Marketing and Recommendations (A+), Service-Oriented Architecture (A)

EXG **Technical University of Munich**, Technology Management — Apr 2023 – Sept 2023

- German Scale: 1.3 / 5.0, (1.0 = best, 5.0 = fail)
- GPA: 3.9/4.0
- **Coursework:** Business Analytics (A/A+), Seminar Operations & Supply Chain Management Reinforcement Learning (A/A+)

BS **National Cheng Kung University**, Foreign Language and Literature — Sept 2019 – Mar 2024

- Financial Technology Program
- GPA: 4.0/4.3
- **Coursework:** Quantitative Data Processing for Language Majors (A+), Data Mining (A), Data Structure (A)

Research

National Science and Technology Council, Hybrid Electric Vehicle Sales Prediction: Using ANN, ANFIS, and Electronic Word of Mouth — Tainan, Taiwan, Feb 2023

Lih-Chyun Shu, ***Po-Ya Lin***

NSTC 112-2813-C-006-026-

- Demonstrated superior time-series sales prediction accuracy using a neural network model, outperforming the Fuzzy Inference System.
- Verified the limitations of incorporating electronic word of mouth (eWOM) from a single platform to improve time-series prediction accuracy.

Work

Micron Technology, Businesss Planning Intern — Taichung, Taiwan, Jul 2025 – Aug 2025

- Developed a web app using Streamlit and Python integrating LLM-based link retrieval with Autogen library and a dashboard for wafer production analysis with Plotly
- Optimized response time from 4s to 1s by hashing recommended prompts and caching outputs in SQLite3
- Built callback functions for week-range selection to analyze HBM vs. non-HBM distribution and process series percentages

Project

AcaRadar, Full-stack Web Application for Discovering Up-to-Date, Cross-Domain Academic Papers — github.com/orgs/UpstartSangria

- Led design and implementation of web app solving the problem of fragmented academic research discovery; enabled users to embed personal research interests and automatically retrieve latest paper metadata from arXiv api
- Architected clean, maintainable backend using Domain-Driven Design (DDD) and Repository patterns; built robust RESTful APIs with functional programming principles (result monads) for reliability
- Integrated AWS SQS for asynchronous, message-driven microservices to handle paper metadata ingestion and processing at scale, improving system resilience and performance

MindBigData, MNIST Brain Digit Classification Project github.com/MNISTMindBigData

- Build Computer vision models using Brain Computer Pre-processing including Artifact Subspace Reconstruction (ASR), Bandpass Filtering, and ICA Decomposition.
- Used trained weight .pth to create interactive classification result once upload the .npy files
- Website: https://bci-deploy.streamlit.app/

Technologies

Languages: Python, R, SQL, Ruby

Technologies: Streamlit, Roda, Hugo

Tools: Tableau, PowerBI

Languages

TOEFL (107/120): Reading: 28; Listening: 29; Speaking: 25; Writing: 25

Goethe: B1