Yuni Wu

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EDUCATION

University of Colorado Boulder, CO, US — *Aug 2024 — May 2026*
Master of Science in Data Science **(GPA: 3.81/4.0)**

Soochow University, Taipei, Taiwan — *Sept 2017 — June 2021*
Bachelor of Business Administration in Data Science **(GPA: 3.7/4.0)**

TECHNICAL SKILLS

Programming Languages: Python, R, SQL, Go, SAS, HTML5, CSS, JavaScript, Java, PHP, Node.js, Julia

Machine Learning & AI: Supervised/Unsupervised Learning, Transfer Learning, Deep Learning (CNNs, RNNs, Transformers), Representation Learning, Embeddings, Generative AI (VAE), Recommendation Systems, XGBoost, LightGBM

Frameworks & Tools: PyTorch, TensorFlow, Scikit-Learn, Hugging Face, LangChain, Tableau, Power BI, Git, Docker, Google Cloud Platform, AWS, Azure, FastAPI

Specializations: Predictive Modeling, Feature Engineering, Model Deployment, MLOps, Scalable ML Systems, A/B Testing, Causal Inference, Experimentation, Metrics Design, ETL Pipelines, Big Data (Spark, Hadoop)

WORK EXPERIENCE

Machine Learning Engineer Intern — *May 2025 — Aug 2025*
MyEdMaster LLC

- Implemented and optimized a ResNet-18 (**PyTorch**) classifier on **50K+** medical images, achieving **93%** accuracy across **22 fine-grained disease categories**.
- Improved minority-class F1-score by **30%** through hierarchical classification and data rebalancing techniques.
- Engineered and deployed a scalable machine learning web application (**FastAPI and JavaScript**) on **Google Cloud Platform** Cloud Run, delivering **sub-second inference latency for 100+ concurrent users**.

Software Engineer — *June 2021 — Aug 2022*
Shopee Co. Ltd.

- Automated **ETL pipelines and validation workflows** for 800+ scenarios across 10+ global markets, cutting manual workload by **80%** and improving pipeline reliability.
- Designed **real-time monitoring dashboards** with Python and Plotly for anomaly detection and regression tracking, reducing reporting time **from 1.5h to 20min**.
- Developed cloud-based data tooling on GCP, improving query performance by **15%** and accelerating analytics-driven decisions.

Data Analysis Intern — *Sept 2020 — May 2021*
Compal Electronics, Inc.

- Conducted **workforce distribution analysis** across 5 departments using **Python** and **Power BI**, generating actionable insights for resource allocation.
- Built a predictive workforce optimization model, reducing labor costs by **15%** and improving efficiency by **80%**.

PROJECTS

Emotion Flow – Real-Time Emotional Recommendation — *Mar 2025 — May 2025*

- Built an **LLM-driven recommendation system** adapting conversation, visuals, and music in real time, achieving **82%** user satisfaction and **57%** recommendation acceptance.
- Applied **RLHF** and personalization techniques, analogous to large-scale recommender systems optimizing engagement.
- Deployed the project on **Google Cloud Platform (GCP)**, enabling full user accessibility and real-world testing.

NexCare - AI Powered Healthcare Agent — *Apr. 2024 — Dec. 2024*

- Developed and deployed a **ReAct-based Retrieval-Augmented Generation (RAG)** assistant, reducing hallucinations by **25%** and improving accuracy by **30%** in telemedicine scenarios.
- Optimized inference latency by **30%** with advanced prompt engineering and cloud deployment.

AWARDS

Second Place, Data Science Hackathon — *Nov 2024*
Engineered a **job recommendation platform** using clustering, feature engineering, and recommendation algorithms, enabling personalized job matching and improving match precision across diverse career profiles.