

Tracy (Min) Wu

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EDUCATION

University of Michigan, Ann Arbor

M.S. in Applied Statistics

Ann Arbor, MI

Expected May 2026

- GPA: 3.80 / 4.0

- Coursework: Bayesian Statistics, Natural Language Processing, Computer Vision, Information Retrieval, Machine Learning

Shanghai University of International Business and Economics

Shanghai, CN

B.S. in Computer Science and Financial Engineering

Sep. 2020 – Jul. 2024

- GPA: 3.65 / 4.0; Honors: Outstanding Undergraduate Thesis Award, First-class Scholarship
- Coursework: Time Series Analysis, Financial Derivatives, Data Structure and Algorithm, Operating System

PROFESSIONAL EXPERIENCE

Skyworks Solutions, Inc.

Woburn, MA

Machine Learning Engineer Intern

May 2025 – Aug. 2025

- Built and deployed a distributed text-to-SQL LLM system enabling natural-language queries across multiple enterprise databases; tracked prompt iterations and evaluation results with MLflow on Databricks
- Developed an end-to-end web application with a FastAPI backend and React frontend to support company-wide text-to-SQL queries, implementing schema grounding, SQL validation, and secure query execution across multiple databases
- Designed automated data cleaning and ETL pipelines using Python and Apache Airflow; migrated datasets to Databricks Unity Catalog and re-architected workflows to improve scalability, access control, and data governance

Henkel AG& Co. KGaA

Madison Heights, MI

Data Scientist Intern

Apr. 2024 – Aug. 2024

- Built a scalable recommendation system over billions of sales records, implementing embedding-based similarity search, engineered efficient candidate filtering with vector indexing and batch processing to achieve low-latency top-K account retrieval
- Created sales analytics dashboards using Power BI, facilitated business activities tracking across East Europe and Middle East regions

The Estée Lauder Companies Inc.

Shanghai, CN

Data Engineer Intern

Jul. 2023 – Jan. 2024

- Engineered end-to-end SQL ETL workflows integrating financial estimation and supply-chain planning systems, supporting real-time inventory monitoring and anomaly alerts
- Developed data-driven forecasting dashboards with automated refresh, validation checks, and email notification workflows for forecast deviation tracking

PROJECT EXPERIENCE

Small Language Model Training for Job Search Automation

Jan. 2026 – Present

- Curated a mixed real and synthetic dataset (~5B tokens) and trained a dense 1B GPT-2 based language model with RoPE positional embeddings and FlashAttention for long-context job search tasks
- Conducted ablation experiments using Weights & Biases (W&B) to evaluate data mixture strategies, architectural components and training hyperparameter choices
- Applied post-training supervised fine-tuning (SFT) and preference optimization to improve resume updating and cover letter generation quality

End-to-End Product Manual Q&A Chatbot

Sep. 2025 – Dec. 2025

- Built and deployed a production RAG system combining OCR-based document parsing, FAISS vector embeddings, and fine-tuned LLMs to support low-latency question answering over hundreds of technical PDFs
- Fine-tuned and evaluated domain-specific LLM for retrieval-augmented generation (RAG), and served the model via FastAPI-based inference service on AWS EC2 for scalable, low-latency conversational responses

SKILLS AND INTERESTS

Technical: Python, C++ , Frontend (React, JavaScript, HTML, CSS), Kubernetes, Docker, Git, SQL, Power BI, Excel

Languages: Mandarin (Native), English (Fluent), French (Intermediate)

Interests: Bridge, long-distance running (full marathon), squash, badminton