An-Che Liang

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Education

National Taiwan University Taipei, Taiwan
Masters of Management in Information Management *Expected to graduate in September 2027*

National Taiwan University Taipei, Taiwan
Bachelors of Management in Information Management, GPA: 3.62/4.3 *Graduated September 2025*
- **Related coursework:** Generative Artificial Intelligence, Reinforcement Learning, Computer Vision, Applied Deep Learning, Statistical Learning, Advanced Deep Learning, Parallel and Distributed Programming
- **Awards:** 2021 Dean's Award List

Experience

Netbase Quid Taipei, Taiwan
AI Platform Intern *September 2024 – Present*
- Owned an LLM-based NLP module within Quid Monitor's document processing pipeline, an enterprise social listening SaaS platform. Delivered features such as irrelevant-document filtering, aspect-based sentiment analysis, and emoji detection, improving precision and coverage over the legacy system in multilingual settings while scaling throughput to 1 million documents in under 6 hours using both in-house and third-party model serving solutions.
- Served as an individual contributor on the AI Platform team, working closely with backend and search engineering teams to deliver projects on schedule and with account managers and project managers to improve output quality for enterprise customers, including Publicis, Disney Parks, and Delta Air Lines.
- Implement new features into the in-house LLM platform, including efficient inference client, self-hosting service, fine-tuning service and quantization service.
- Designed and implemented an evaluation pipeline to benchmark state-of-the-art LLMs across six internal NLP tasks, accelerating adoption of newer models by the Quid Monitor and Quid Connect teams in two internal use cases.
- Built strong proficiency in enterprise cloud-native technologies, including Docker, Kubernetes, Helm, Prometheus, Grafana, and Argo Workflows.

Instill AI London, UK
AI Engineering Intern *June 2024 – August 2024*
- Developed scalable ETL pipeline components with Golang for different AI vendors.
- Gained international work experience through NTU's Overseas Internship Program.
- Final Project: PoC automatic workflow pipeline generation from natural language with large language model.

Taiwan Space Agency Hsinchu, Taiwan
Embedded System Intern *July 2023 – August 2023*
- Developed a real-time application SDK to migrate satellite flight software from RTEMS to PREEMPT_RT Linux.
- Conducted stability and performance experiments on PREEMPT_RT Linux.

Publications

Heuristic Algorithms for Flexible Flow Shops with Multiple Constraints May 2025
- Received an Honorable Mention in the Annual Student Thesis Competition held by the Chinese Institute of Industrial Engineers.
- Authors: **An-Che Liang**, Wei-Hsiang Huang, Debbie Huang, You-Ming Yeh, Ling-Chieh Kung.
- This paper formulated a multi-stage flexible flow shop scheduling problem with unrelated machines, setup times, limited storage capacity, and product-specification constraints into MILP . Developed two heuristic algorithms—Simulated Annealing–based Greedy Allocation (SAGA) and Linear Relaxation–based Greedy Allocation (LRGA)—achieving average optimality gaps of 8.44 % and 23.34 %, respectively. Validated the methods on both synthetic and real-world datasets from our industry partner.
- Led problem formulation, heuristic algorithm design and performance evaluation.

Technical Skills

Languages: Python, C/C++, JavaScript, Golang, Bash, LaTeX

Machine Learning Frameworks: PyTorch, OpenCV, Transformer, numpy, pandas, scikit-learn, MLflow, vLLM, DSPy.

Cloud Native Frameworks: Docker, Kubernetes, Helm, Argo Workflows, Prometheus, Grafana.