

# Yuan Lu 盧禹安

📍 Hsinchu County, Taiwan    ✉ luyuan0@gmail.com    🌐 0x-yuan

## Education

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**National Yang Ming Chiao Tung University**

*Feb 2025 – Present*

*Arete Honors Program - AI Biomedical Major*

- Admitted through Special Selection Program for outstanding achievements in NLP and ML

## Experience

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**AI Engineer**

*June 2025 – Present*

*Tenfold AI*

- Developed a legal document retrieval agent in Claude Code like agentic deep-research architecture
- Built a robust, low-latency confidence scoring system for RAG outputs via LLM-as-a-Judge, alongside a legal contract generation pipeline featuring cross-statute research, parallelized drafting, and Word-compatible formatting
- Deployed services on AWS (S3, Lambda, ECS, SNS/SQS, Bedrock) and LangGraph Platform

**President**

*June 2025 – Present*

*Google Developer Group on Campus (GDGC NYCU)*

- Leading the community in research and entrepreneurship-oriented project development, fostering innovation and collaboration among students.
- Organizing events and workshops to introduce K-12 students to cutting-edge AI technologies and inspire the next generation of developers.

**Research Fellow**

*June 2023 – June 2024*

*AI Advanced Talent Program (by the Ministry of Education in Taiwan)*

- Conducted research under Prof. Hung-Yu Kao's supervision. During this time, I've published several papers in NLP and joined some competitions in Data Science. Research fields include Multi-Agent systems and RAG.

**Research Fellow**

*June 2023 – Dec 2023*

*Young Scientists Program (by the Ministry of Education in Taiwan)*

- Researched instruction-tuning effects on legal dialogue models, and developed optimization techniques for Taiwanese legal-specific LLMs with Prof. An-zi Yen.


## Publications

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**0x.Yuan at SemEval-2024 Task 2: Agents Debating can reach consensus and produce better outcomes in Medical NLI task**

*SemEval@NAACL2024*

Yu-An Lu, Hung-Yu Kao

- Developed a novel batch-based multi-agent debating framework for medical natural language inference
- Implemented five specialized agents (biostatistician, medical linguist, etc.) for comprehensive analysis
- Achieved F1 score of 0.69, significantly outperforming single-agent baseline
- [Paper Link](#) 

**0x.Yuan at SemEval-2024 Task 5: Enhancing Legal Argument Reasoning with Structured Prompts**

*SemEval@NAACL2024*

Yu-An Lu, Hung-Yu Kao


- Proposed structured prompting method (MIRAC) for legal reasoning based on law school training approaches
- Compared different legal reasoning frameworks in zero-shot setting using Mixtral-8x7B
- Improved F1 score by 0.11 compared to direct prompting baseline

- [Paper Link](#) 

## **Characterised LLMs Affect its Evaluation of Summary and Translation**

*Eval4NLP@AAACL2023*

Yu-An Lu, Yu-Ting Lin

- Proposed a novel method utilizing LLMs for text evaluation by assigning specific roles (e.g., teacher, editor)
- Achieved higher correlation with human judgments compared to baseline methods
- Received the Creative Method Award for innovative methodology
- [Paper Link](#) 

## **Honors**

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### **CURE-Bench @ NeurIPS 2025 – AI Reasoning for Therapeutic Decision-Making**

*Dec 2025*

*Best Human Alignment Award*

- Developed a self-adaptive multi-agent discussion framework that simulates clinical expert deliberation for medical decision-making
- Invited for oral presentation and poster session at NeurIPS 2025

### **MindGames @ NeurIPS 2025 – Theory-of-Mind Challenges for LLM Agents**

*Dec 2025*

*4th Place*

- Designed a two-stage architecture for opponent modeling and action generation in the Werewolf game, improving role identification accuracy and tactical execution

### **AICUP 2024 Fall – Solar Power Prediction Competition**

*Dec 2024*

*2nd Place of 934 Teams*

- Developed advanced feature engineering techniques combining weather micro-climate data, time-series statistics, and solar parameters
- Created a stacking ensemble model integrating CatBoost and XGBoost to accurately predict solar power generation
- Issued by Ministry of Education, Taiwan

### **AICUP 2024 Fall – Finance RAG Competition**

*Dec 2024*

*3rd Place of 487 Teams*

- Implemented an enhanced Retrieval-Augmented Generation (RAG) system for financial question answering
- Developed a novel query-based extractive summarization technique to improve retrieval accuracy
- Issued by Ministry of Education, Taiwan

### **AICUP 2023 Fall – Credit Card Fraud Detection Competition**

*Dec 2023*

*15th Place of 394 Teams*

- Engineered comprehensive statistical features from credit card transaction data
- Trained a CatBoost model to effectively identify fraudulent transactions
- Issued by Ministry of Education, Taiwan

### **TASA AI Cloud Computing Competition**

*Sep 2023*

*2nd Place & Best Creative Award*

- Utilized emotion recognition models as feature extractors to process canine image data
- Developed an XGBoost classifier to identify individual dogs based on their emotional patterns
- Issued by Taiwan Space Agency