



GUAN JHIH WU

Graduate Student in Computer Science

An enthusiastic and energetic graduate student in the Department of Computer Science, excelling in completing artificial intelligence projects through collaborations with multiple companies. Striving to grow through extraordinary eagerness to learn



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Education Experience



2018 - 2022

National Cheng Kung University
(NCKU), Taiwan - Undergraduate

Department of Geomatics

- Completed a stock market prediction project and implemented it as a LINE chatbot.
- Served as an officer in the Popular Dance Research Society, organizing multiple on-campus performances.
- Completed a mask object recognition project by exploring the evolution of different versions of YOLO (You Only Look Once).



2022 - now

National Tsing Hua University
(NTHU), Taiwan - Graduate

Department of Computer Science

- Completed a paper titled 'Optimizing Graphene Heat Pipe Parameters for Enhanced Battery Thermal Management,' accepted by IEEE Nano.
- Completed a paper titled 'AI-Optimized Nanofluids for Reducing Battery Temperature and Short Circuit Risk through Mineral Oil Immersion Cooling,' accepted by ASPEN.

Current Study

I am currently focused on research related to model watermarking. This is an effective approach to address the model theft problem. Existing studies have explored various techniques, such as using external data sources or modifying the loss function, to trace model ownership while ensuring the primary task performance of the model. I am also researching the development of a novel method that can track ownership and withstand existing watermarking attacks, all while preserving the model's primary task performance.

Additional Skills

- Machine Learning
- Deep Learning Frameworks
- Data Analysis and Visualization
- Model Deployment
- Project Management
- Data Science
- Problem Solving
- Communication Skills
- Critical Thinking

Habitats

- Dancing
- Music
- Exercising
- Read comics
- Games