Ping-Juei Tsai (Ray Tsai)

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Department of Electrophysics

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Related Experience

- GAI Instructor, STEAM Education Center, National Tsing Hua University
- Department of Electrical Engineering, Public Relations Officer
- National Yang Ming Chiao Tung University Basketball Team
- National Yang Ming Chiao Tung University American Football Team
- National Chiao Tung University Investment and Finance Club
- Captain of the Basketball Team, Neihu High School
- Representative of Outstanding Students, Taipei City, 2021

Professional Skills

- Verilog, IC design flow
- LLM, RAG, Langchain, CrewAI
- Python, JavaScript
- Organization and Leadership
- Motorcycle and Automobile Driver's License

Experience

National Yang Ming Chiao Tung University 2021-NOW

2024

APR-NOW

Assistant to the President, Taiwan Generative AI Association
- Assisted in planning and organizing generative AI courses and lectures.
- Managed the development of the association's website(https://www.aigca.org/).

MAR

Runner-Up, Law Broker GPT PLUS+ AI Competition Finals
- Implemented insurance-related agents using LangChain and RAG to automate the policy purchasing process.

FEB-NOW

Campus Ambassador, Cyntec (Delta Electronics, Inc.)
- Organized campus brand promotion projects and conducted individual interviews.
- Planned and executed a career talk event with over 80 student participants

2023

MAR-NOW

Research Assistant, Institute of Learning and Technologies, National Tsing Hua University
- Conducted research on ChatGPT, large language models (LLM), LangChain, and CrewAI architecture.
- Lectured in courses and facilitating two National Science and Technology Council projects.

JUL-NOW

Research Project Assistant, International College of Semiconductor Technology, NYCU, Laboratory under Professor Po-Tsang Huang
- Proficient in programming hardware description languages like Verilog and implementing hardware architecture logic.
- Automated the generation of HDL using language models.

JAN-2024 JUN

Public Relations Officer, Department of Electronic Physics Student Association
- Organized nine career planning seminars, with a cumulative attendance of over 700 participants.
- Conducted interviews with outstanding alumnus (Video: https://reurl.cc/mMao9l).

OCT

Honorable Mention, Mei-Chu Hackathon (2023)
- Utilized BERT for emotion recognition, resulting in animation simulation, VITS voice generation, and GPT content recommendation.

2022 DEC - 2023 JUN

IT Intern, DuPont Taiwan
- Led five company workshops (average of 30 participants per session), helping employees become proficient with company software and applications.