Yen-Hsiang, Wang

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About me

Master's graduate with previous internship experience at Inria and 2+ years of research expertise in Natural Language Processing and machine learning, specializing in text generation, summarization, and data analysis. Experienced in implementing Natural Language Generation systems, including novel model application and full-stack development.

Seeking a research developer role in a company where knowledge and expertise in the field can be effectively utilized.

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Education

National Chung Hsing University / Master of Computer Science
Sep. 2020 -- Sep. 2022, Taichung City, Taiwan

Fu Jen Catholic University/ Bachelor of Computer Science and Information Engineering
Sep. 2016 -- Jun. 2020, New Taipei City, Taiwan

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Experience

Inria/ Research Engineer Intern
Mar. 2022 -- Sep. 2022, Bordeaux, France (Remote)

1. Learning curiosity-driven Question Generation and evaluation with deep language models (GPT-3), towards educational technology applications.
2. Collaborating with Microsoft Research Montreal, published two papers.

Industrial Technology Research Institute/ Summer Intern
July 2021 -- August 2021, Hsinchu, Taiwan

1. Leverage Question-Answering language models(based on Transformer) for judgment-related query with over 90% accuracy.
2. Developed a Legal document labeling system for information extraction training.

Selected Projects

Legal Document QA System

Jul. 2021 -- Oct. 2021

Question Answering bot based on transformer-based model for querying entity owner in legal document.

Legal Document Labeling Tool

Jul. 2021 -- Oct. 2021 Github

Legal document labeling system for information extraction training.

PTT Search Engine | Vue.js, Flask, ElasticSearch, Docker, Trello

Oct. 2020 -- Jan. 2021 Github

In charge of Full-Stack. Cooperating with other teams (Web Crawler, Server) and adopting the Scrum workflow.

Maintaining a search engine and database using ElasticSearch, handling hundreds of millions of data.

Publications

Selecting Better Samples from Pre-trained LLMs: A case Study on Question Generation

Sep. 2022 arXiv

GPT-3 Driven pedagogical agents for training children's question-asking skills

Sep. 2022 arXiv

Technical Skills

Programming Language:
- C, C++, Java, Python, JavaScript

Toolchains:
- Frameworks: PyTorch Lightning, Vue.js, Flask, Django
- Libraries: PyTorch, Transformers, Pandas
- Database: MySQL, MongoDB, ElasticSearch
- DevOps: Docker, AWS, Google Cloud