

YEN-HSIANG WANG

📞 +886 928-666-218 📩 heliart@smail.nchu.edu.tw 💬 linkedin.com/in/heliartatnchu 🐾 github.com/kenny75557

Education

National Chung Hsing University

Master of Computer Science.

Sep. 2020 – Sep. 2022

Taichung City, Taiwan

Research assistant at Natural Language Processing Lab, NCHU, chiefly focus on Natural Language Generation especially Question Generation.

Teaching assistant of Algorithm, Advanced Data Mining, and Big-data analysis.

Fu Jen University

Bachelor of Computer Science and Information Engineering.

Engage in Industry-academia cooperation with Shin-Kong Hospital

Sep. 2016 – Jun. 2020

New Taipei City, Taiwan

Experience

Inria, National Institute for Research in Digital Science and Technology

Research Engineer Intern

Mar. 2022 – Sep. 2022

France(Remote)

- Learning curiosity-driven question generation and evaluation with deep language models (towards educational technology applications).
- Host by Flowers team, Inria Bordeaux and collaborating with Microsoft Research Montreal.
- Publication: Selecting Better Samples from Pre-trained LLMs: A Case Study on Question Generation, GPT-3-driven pedagogical agents for training children's curious question-asking skills.

Industrial Technology Research Institute

Software Engineer Intern

July 2021 – August 2021

Hsinchu, Taiwan

- Leverage Question-Answering language models(based on Transformer) for judgment-related query with over 90% accuracy.
- Developed a web application to help label data from legal judgment.
- Technology Stack: MongoDB, FastAPI, React.JS, and Pytorch.

Technical Skills

Programming Language |

- C/C++: Programming Fundamentals, data structure, Algorithms.
- Python: Data Processing, Machine Learning, Back end.
- JavaScript: Front end engineering.

Toolchains |

- Back end framework: Flask, FastAPI
- Database: MySQL, ElasticSearch
- Distributed Computing: Hadoop, Spark
- Front end framework: vue.js
- Machine Learning: Pytorch, PyTorch Lightning
- Virtualization: Docker

Projects

Ptt Search Engine | *Vue.js, flask, ElasticSearch, Docker*

Oct. 2020 – Jan. 2021

- Built a search engine including all articles and commands crawled from popular boards on Ptt(web forum).
- Maintaining a search engine and database using ElasticSearch, handling hundreds of millions of data.
- Develop a SPA and Back-end process (query).

Shared Decision Making Platform | *ASP.net*

Sep. 2019

- Cooperate with Shin-Kong Hospital and build a web application using the MVC framework. (Graduate Project)
- Supporting their doctor and patient's communication by medical record management and patient-questionnaire.