



YEN-HSIANG WANG

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Education

National Chung Hsing University

Sep. 2020 – Sep. 2022

Master of Computer Science.

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

Sep. 2016 – Jun. 2020

Bachelor of Computer Science and Information Engineering.

New Taipei City, Taiwan

Engage in Industry-academia cooperation with Shin-Kong Hospital

Experience

Inria, National Institute for Research in Digital Science and Technology

Mar. 2022 – Sep. 2022

Research Engineer Intern

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

July 2021 – August 2021

Software Engineer Intern

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.