

Hsiang-Jen Li RN

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Education

National Taiwan University of Science and Technology

Master's in Department of Computer Science and Information Engineering

- GPA: 4.02/4.3

Taipei, Taiwan

2024

National Kaohsiung University of Science and Technology

Bachelor's in Department of Money and Banking

- GPA: 3.82/4.3

Kaohsiung, Taiwan

2022

Work Experience

Shanghai Commercial & Savings Bank - Digital Banking Department

Internship in SCSB Digital Banking

2023.07 ~ 2023.08

Competition & Award

Campus Fintech Innovation Challenge

Taiwan Academy of Banking and Finance

- Ranked as the 8th out of 187 teams

2022

Joint Exhibition on Artificial Intelligence and Neural Networks

National Kaohsiung University of Science and Technology - Department of Electrical Engineering

- Ranked as the 1st out of an estimated 30 teams

2022

Campus Achievement Exhibition

Fintech Space

- Competition's preferred choice

2020

Side Project

Evasion Attack in Machine Learning

- Trying to use evasion attack to attack the CNN-based malware detection model.

- Need to add noise to the malware sample to make the model misclassify the sample.

- The dataset is collected by ourselves (Using Cuckoo Sandbox and VirusShare).

2023.09 ~ 2023.12

Graph-based : Keywords Recommendation System

- Applying Network Science field to build a keywords recommendation system.

2023.05 ~ 2023.06

Apriori J104

- An application for analyzing the skills required by the job market.

- The data is crawled from 104 job bank and stored in MongoDB.

- And the data will be processed by CKIP-transformer.

- Finally, using apyori algorithm to find the association rules between skills.

2022.05 ~ 2022.06

Financial Public Opinion Analysis

- Using Django to build a web application for analyzing financial public opinion.

- The data is crawled from Anue and the data will be stored in MongoDB.

2022.03 ~ 2022.06

Line-Bot : Stock Info

- A Line-Bot for getting the stock information.

2020.10 ~ 2021.07

Research Interests

Complex Systems and Network Science

Unlike grid-like data structures, complex systems are composed by nodes and edges, which are more complicated for analysis and modeling.

Recently

Metaheuristics

Metaheuristic is a bio-inspired algorithm that can be used to solve optimization problems.

Future Plan

Distributed Computing

Future Plan

Privacy-Preserving Machine Learning

Future Plan

Skills

language : python advanced , sql beginner

website : fastapi beginner , html beginner , bootstrap beginner

tool : git intermediate , docker intermediate
platform : ubuntu intermediate , windows intermediate