





Education

MS	National Cheng Kung University, Computer Science and Information Engineering	Sep. 2022 - Sep. 2024
BS	National Sun Yat-sen University, Computer Science and Engineering	Sep. 2018 - Jun. 2022




Publications and Preprints

- [1] **Yu-Po Peng**, Chung-Ping Young, Wen-Hsiang Lu, "**Design and Implementation of a Reasoning Question Answering System for Automatically Generating Implicit Questions Based on News Topics**," *Master's Thesis, National Cheng Kung University*, 2024. 
- [2] **Yu-Po Peng**, Pin-Chung Chen, Kuan-Yu Ko, Jun-Huei Wang, Shin-Nan Guo, Chun-I Fan, "**Secure Extended Mail System Based on Attribute-Based Encryption**," *Cryptology and Information Security Conference*, 2022. 



Honors

2023	Judges' Recognition Award , AI Voice-Assisted Exhibition Experience for Visually Impaired, AIGOOD Talent Competition	
2022	Best Student Paper Award (Honorable Mention) , 32nd Cryptology and Information Security Conference, Chinese Cryptology and Information Security Association	

Projects

Medical QA Assistant 	Lead Developer	Aug. 2024 - Sep. 2024
<ul style="list-style-type: none">Implemented Retrieval-Augmented Generation (RAG) using Large Language Models (LLMs) to enhance response accuracy and responsibility, avoiding user misguidance.Skills: Ollama, Streamlit, LangChain, Chroma		
QA System for Generating Implicit Questions	Lead Developer	Sep. 2023 - Jul. 2024
<ul style="list-style-type: none">Using knowledge graph and NLP techniques to implement a reasoning question answering system for generating implicit questions based on news topics.Skills: NLP, Knowledge Graph, Neo4j		
J-kumo (TW) Support System for Japanese Learning 	Primary Maintainer	Feb. 2023 - Apr. 2024
<ul style="list-style-type: none">Integrated six services from legacy systems by using Django and streamlined deployment with shell scripts and Docker Compose.Skills: Django, SQL, Nginx, Docker		
Nmail System 	Lead Developer	Sep. 2020 - Oct. 2021
<ul style="list-style-type: none">Design a system that allows users to encrypt their emails with ABE before sending them.Skills: Attribute-Based Encryption(ABE), Gmail API, Web Development		

Course Projects

Linux Kernel Project - fibdrv 		Spring, 2023
<ul style="list-style-type: none">Write a kernel module of Fibonacci sequence, then optimizing its performance.Skills: C/C++, Linux Kernel		
Online Chat Service 		Spring, 2022
<ul style="list-style-type: none">Built a simple chatroom supporting multiple users simultaneously.Skills: C/C++, Socket Programming		