CHI-JUNG CHUNG

鍾其融｜成大電機所畢業生

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🌐 https://ryanccj.github.io/about

Education

Master of Electrical Engineering
- National Cheng Kung University
- 2021 - 2024

Bachelor of Electrical Engineering
- National Cheng Kung University
- 2015 - 2020

Skills

- Software Development
- Big Data Analysis
- Deep Learning
- Linux, Git, Docker
- Python, C, C++, Shell

Publications

Master's Thesis
sRNA Analyst: A Web Tool for In-depth Analysis of sRNA-seq Data

Collaborative Paper
Transcriptome-wide analyses of piRNA binding sites suggest distinct mechanisms regulate piRNA binding and silencing in C. elegans, RNA Journal, 2023

Award

2023 Phi Tau Phi Honorary Member

Profile

Hello, I'm Ryan Chung, a recent graduate interested in software development. I'm passionate about exploring diverse fields and skilled in leadership and communication. During my master's program, I managed laboratory servers and contributed to various projects. My research focused on developing innovative data analysis tools and databases in collaboration with professors from NCKU and UChicago.

Experience

Full-Stack Web Development

- Developed various projects, including some web tools for big data analysis.
- Experienced in front-end and back-end development using microservices and frameworks such as Docker, Django and React.
- Experienced in working with SQL and NoSQL databases.
- Experienced in building large-scale web infrastructures.

Data Analysis and Deep Learning

- Developed data analysis and visualization modules using Python.
- Contributed to deep learning projects, including image recognition and large language models (LLMs).
- Experienced in using TensorFlow and PyTorch frameworks.

Server Administration

- Maintained Linux servers, websites, and databases in the laboratory, ensuring their operation and protecting against malicious attacks.
- Set up a NAS in the laboratory and organized backup mechanisms.
- Educated new members on basic Linux operations and website development techniques, sharing knowledge and experience effectively.

Engagements

- Certified in learning projects organized by Google, AWS, and Nvidia.
- Served as a core member of Google Developer Student Clubs, focusing on studying and promoting natural language processing techniques.
- Served as a core member of Mountaineering Club, responsible for reviewing team safety and participating in rescue missions.
- Acted as a guest lecturer for Executive Master of Business Administration (EMBA) programs.