



CHI-JUNG CHUNG

鍾其融 | 成大電機所應屆畢業生

Hello, I'm Ryan Chung. I'm passionate about exploring diverse fields and skilled in organizing activities with leadership and communication. During my graduate studies, I managed laboratory servers and contributed to various projects. Currently, I'm developing innovative data analysis tools and databases with professors from NCKU and UChicago.

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Skills

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

Education

Master of Electrical Engineering

- National Cheng Kung University
- 2021 - 2024 (GPA 4.0)

Bachelor of Electrical Engineering

- National Cheng Kung University
- 2015 - 2020

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

Experience

Full Stack Web Development

- Developed multiple web projects, including social platforms and data analysis websites. Collaborated with students from different departments.
- Experienced in frontend and backend development using frameworks such as Docker, Django, and React.
- Experienced in working with various databases, including MongoDB, MySQL, and PostgreSQL.
- Contributed to an industry-academia collaboration project, assisting in planning the internal website infrastructure.

Data Analysis and Deep Learning

- Developed analysis modules using Python libraries for big-data analysis and visualization.
- Participated in various deep learning projects, including medical image recognition with OpenCV and research on NLP techniques.
- Experienced in TensorFlow and PyTorch frameworks.

Server Administration

- Maintained Linux servers and websites in Computational Systems Biology Lab, ensuring their operation and preventing mining and malicious attacks.
- Set up a NAS in the laboratory, organized and planned backup mechanisms for research achievements over the years.
- Educated new members in basic Linux operations and website development techniques, sharing knowledge and experience with people.

For more details, please refer to my website: <https://ryanccj.github.io/projects>

Engagements

- Actively participated in online seminars organized by companies such as Google, AWS, and Nvidia.
- Served as a core member of Google Developer Student Clubs (GDSC), responsible for studying and promoting natural language processing (NLP) techniques.
- Served as a core member of NCKU Mountaineering Club, responsible for reviewing team safety and participating in rescue missions. Hosted large-scale events involving dozens of participants and served as a guest lecturer for Executive Master of Business Administration (EMBA) programs.