

Chun-Hung (Jim) Chen

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Education

National Yang Ming Chiao Tung University, Taiwan

2019 - Present

- Doctor of Medicine, minor in Computer Science
- Physician Scientific Research Program

Research

- **Ongoing Projects**
 - **Multi-modality+Time Series:** Developing a multi-modal time series model that predicts future clinical images for patients with glaucoma based on past medical history and treatments administered
 - **Time Series:** Accurate prediction of vascular access stenosis for patients under hemodialysis
- **Research Interests**
 - Representation learning, time-series forecasting, and multi-modality for clinical data
 - Applications in diagnosis, prescription, and disease progression

Publications

- [3] Artificial Intelligence-Based Screening for Blood Pressure Phenotypes of White-Coat and Masked Hypertension in Outpatient Settings.
Ming-Hui Hung†, **Chun-Hung Chen†**, Yu-Hsuan Tseng, Pei-Lin Cheng, Yu-Shiuan Hsieh, Shin-Wei Lin, I-Fan Chen, Shing-Jong Lin, Jaw-Wen Chen, Chin-Chou Huang.
European Journal of Preventive Cardiology (Submitting).
- [2] Predicting Longitudinal Visual Field Progression with Class Imbalanced Data.
Ling Chen, **Chun-Hung Chen**, Wei Wang, Da-Wen Lu and Vincent S. Tseng.
IEEE Journal of Biomedical and Health Informatics (2025).
- [1] FastRx: Exploring Fastformer and Memory-Augmented Graph Neural Networks for Personalized Medication Recommendations.
Nguyen Minh Thao Phan, Ling Chen, **Chun-Hung Chen** and Wen-Chih Peng.
ACM Transactions on Intelligent Systems and Technology (2024).

Experience

- Division of Cardiology, Taipei Veterans General Hospital** 2023 - Present
Research Assistant (Principal Investigator: Prof. Chin-Chou Huang) [3]
- Institute of Hospital and Health Care Administration, National Yang Ming Chiao Tung University** 2023 - Present
Student Researcher (Supervisors: Prof. Ling Chen and Prof. Vincent Shin-Mu Tseng) [1], [2]
- Institute of Clinical Medicine, National Yang Ming Chiao Tung University** 2023 - Present
Student Researcher (Supervisors: Prof. Chih-Yu Yang and Prof. Oscar Kuang Sheng Lee)
- Institute of Biomedical Engineering, National Cheng Kung University** 2016 - 2018
Student Researcher (Supervisor: Prof. Wen-Tai Chiu)

Honors & Awards

- Future Tech Award, National Science and Technology Council 2024
- College Student Research Scholarship, National Science and Technology Council, Taiwan 2024, 2025