

Chun-Hung (Jim) Chen

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Education

National Yang Ming Chiao Tung University, Taiwan

2019 - 2026

- 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

- [1] 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).
- [2] 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).
- [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, and Chin-Chou Huang.
Circulation 150, A4145524-A4145524 (2024).

Experience

Byers Eye Institute, Stanford University

2025 - 2025

- *Visiting Student Researcher* (Principal Investigator: Prof. Sophia Y. Wang)

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 - 2025

- *Student Researcher* (Supervisors: 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