

Chun-Hung (Jim) Chen

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Education

National Yang Ming Chiao Tung University, Taiwan	2019 - 2026
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• <i>Visiting Student Researcher</i> (Principal Investigator: Prof. Sophia Y. Wang)	
Division of Cardiology, Taipei Veterans General Hospital	2023 - 2025
<ul style="list-style-type: none">• <i>Research Assistant</i> (Principal Investigator: Prof. Chin-Chou Huang) [3]	
Institute of Hospital and Health Care Administration, National Yang Ming Chiao Tung University	2023 - Present
<ul style="list-style-type: none">• <i>Student Researcher</i> (Supervisors: Prof. Ling Chen and Prof. Vincent Shin-Mu Tseng) [1], [2]	
Institute of Clinical Medicine, National Yang Ming Chiao Tung University	2023 - 2025
<ul style="list-style-type: none">• <i>Student Researcher</i> (Supervisors: Prof. Oscar Kuang Sheng Lee)	
Institute of Biomedical Engineering, National Cheng Kung University	2016 - 2018
<ul style="list-style-type: none">• <i>Student Researcher</i> (Supervisor: Prof. Wen-Tai Chiu)	

Honors & Awards

<ul style="list-style-type: none">• Future Tech Award, National Science and Technology Council	2024
<ul style="list-style-type: none">• College Student Research Scholarship, National Science and Technology Council, Taiwan	2024, 2025