

# Chia-Hsiang Kao

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**Email:** chkao.md04@nycu.edu.tw **Website:** <https://iandrover.github.io/>

**Research interests** Computer Vision, Meta Learning, Adversarial Learning, and Medical Image Analysis.

**Education** **National Yang Ming Chiao Tung University** Taipei, Taiwan  
Medical Doctor Aug 2015 – Jun 2022  
Mentors: Li-Fen Chen, Albert C. Yang, Wei-Chen Chiu, and Pin-Yu Chen.

## **Selected coursework**

- Computer Science: Machine Learning, Reinforcement Learning
- Mathematics: Introduction to Analysis - Honor Class, Advanced Probability (Institute of Mathematics, NYCU)

**Scholarships** College Student Research Scholarship  
- Offered by Ministry of Science and Technology, Taiwan 2018 and 2020

**Awards** Second Prize, Taiwan Brain Tumor Segmentation Challenge NTUH, 2019  
Gold Medal, International Genetically Engineered Machine Competition 2016

**Publications** **MAML is a Noisy Contrastive Learner** (*Preprint 2021*)  
Chia-Hsiang Kao, Wei-Chen Chiu, and Pin-Yu Chen.

**Demystifying T1-MRI to FDG18-PET Image Translation via Representational Similarity** (*MICCAI 2021, oral presentation*)  
Chia-Hsiang Kao, Yong-Sheng Chen, Li-Fen Chen, Wei-Chen Chiu.

**Unravelling the Spatio-Temporal Neurodynamics of Rhythm Encoding-Reproduction Networks by a Novel fMRI Autoencoder** (*NER 2019*)  
Chia-Hsiang Kao, Ching-Ju Yang, Li-Kai Cheng, Hsin-Yen Yu, Yong-Sheng Chen, Jen-Chuen Hsieh, and Li-Fen Chen.

**Research experience** **Enriched Vision Applications Lab** Sep 2020 – Sep 2021  
Mentors: Prof. Chiu-Wei Chen, and Dr. Ping-Yu Chen (IBM Research)  
- As Visiting student. Publish two papers.

**Brain Mapping Laboratory** Sep 2017 – Sep 2020  
Mentors: Prof. Li-Fen Chen  
- Publish one paper.

**Institute of Information Science, Academia Sinica** Jun 2017 – Sep 2017  
Mentors: Prof. Meng-Chang Chen  
- As research assistant.