Chia-Hsiang Kao

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

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

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.