

Yu-Hsuan Li

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[Webpage](#)
[GitHub](#)

WORK EXPERIENCE **Senior Software Engineer** Tron Future Tech 2022 – now
Work on camera controlling and calibration, image processing, artificial intelligence algorithms design, stress testing, and system design.

EDUCATION **National Yang Ming Chiao Tung University** (Taiwan)
M.S. Computer Science (GPA: 4.3/4.3) 2020 – 2021
LAB: Enriched Vision Applications Lab
Professor: Dr. Wei-Chen Chiu
National Chiao Tung University (Taiwan)
B.S. Electrical Engineering and Computer Science (GPA: 4.22/4.3) 2016 – 2020
University of Illinois Urbana Champaign (U.S.A)
Exchange student (GPA: 4.0/4.0) 2019 Fall

HONORS AND AWARDS Honorary member of The Phi Tau Phi Scholastic Honor Society 2022
IEEE Eta Kappa Nu - Mu Sigma chapter president 2020
IEEE Eta Kappa Nu member 2018 – 2020
Government Scholarships for Study Abroad 2019
Zhu Shun Yi He Qin Scholarship (top student, dept. of EECS, NCTU) 2019
Dean's Honor List (top 3 students in each department, NCTU) 2016 – 2019
Nanya Technology Corporation Scholarship 2018
In Memory of Mr. Lin Zhonghua's Filial Piety 2017
Excellent Entrance Scholarship 2016

RESEARCH EXPERIENCE **Master Student** National Yang Ming Chiao Tung University 2020 – 2021
- Accepted in NeurIPS 2022
- [Paper](#) — [Project Page](#) — [Code](#)
- Worked with Dr. Wei-Chen Chiu, Dr. Pin-Yu Chen, and Dr. Ching-Chun Huang to propose zero-shot learning for attributes and develop a novel decompose-and-reassemble approach to annotate attribute labels for the zero-shot classification datasets automatically.
Undergraduate Student National Chiao Tung University 2018 – 2019
- Worked with Dr. Wei-Chen Chiu to develop a novel method on music accompaniment generation of singing by transferring music wave to spectrogram and then utilizing CVAE structure to disentangle the spectrogram with vocal information as the condition.
Research Assistant National Chiao Tung University 2018 – 2019

- Worked with Dr. Chang-Chieh Cheng and Dr. Yi-Bing Lin to develop a new function of IoTtalk system, which utilizes object detection model to identify the location of a pet so the master could monitor it remotely.

Visiting Scientist University of Washington 2018 (summer)

- Worked in the Information processing lab under the guidance of Dr. Jenq-Neng Hwang on single camera tracking and animated character generation of real person by CycleGAN model.

SKILLS

Field: Computer Vision, Deep Learning, Machine Learning

Computer Programming: C, C++, Python, MATLAB, Verilog, PyTorch, JavaScript

Tools: Docker, k6, Blender

Languages: Mandarin, English