JIN-SIANG (Justin) LIN 林晉祥

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SUMMARY

- A graduate student with **Computer Science** background
- 5+ years in software development and involve in several practical projects

EDUCATION

National Tsing Hua University, Hsinchu, Taiwan   08/2019 - 07/2021

Master of Science, Electrical Engineering in <u>Vision Science Lab</u>

Advisor : <u>MIN SUN</u>

- Concentration: **Deep learning**, especially on Reinforcement learning and Deep Learning application.

National Tsing Hua University, Hsinchu, Taiwan   09/2015 - 06/2019

Bachelor of Science, Computer Science

- GPA : **3.7** / 4.3

WORK EXPERIENCE

Qualcomm, Hsinchu, Taiwan   04/2019 - 07/2021

Machine learning engineer (intern)

- Responsible for deployment of machine learning flow for semiconductor manufacturing data.
- Optimize the original data-pipeline for **43x** faster.

PUBLICATIONS

<u>Toward Robust Long Range Policy Transfer</u>   AAAI 2021

- Author: Wei-Cheng Tseng, **Jin-Siang Lin**, Yao-Min Feng, Min Sun

<u>Hierarchical Alternative Training for Long Range Policy Transfer</u>   ICML 2020 BIG workshop

- Author: Wei-Cheng Tseng, **Jin-Siang Lin**, Yao-Min Feng, Min Sun

RESEARCH EXPERIENCE

Policy Transfer / Policy Composition on Reinforcement learning   10/2019 - 08/2020

- We proposed a framework called Hierarchical Alternative Training(HAT) that leverages the hierarchical structure to train the combination function and adapt the primitive policies alternatively to efficiently produce a range of complex behaviors on challenging new tasks.

Medical Image Colorization   08/2020 - 03/2021

- This project focuses on transforming a medical image (e.g., Computed tomography) into a realistic RGB image using a Deep Learning framework.

PROJECTS EXPERIENCE

Librarian, an course project of Software Studio using ReactJS   03/2017 - 06/2017

- Led a team of four members to develop a mobile APP that helps users find books easily from nearby libraries.
- Implemented the front-end with responsive design in ReactJS; constructed the back-end in Node.js.

CarePlus, an startup project in VSLab   07/2019 - 10/2019

- A smart home system for the elder which can detect falls, dangerous situations.
- Responsible for connecting the edge devices and the computing server with the cloud platform.

SKILLS

Programming Languages: Python, C/C++, JavaScript
Web / Mobile Development: HTML/CSS, ReactJS, Redux, Node.js