JIN-SIANG (Justin) LIN 林晉祥

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SUMMARY

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

EDUCATION

National Tsing Hua University, Hsinchu, Taiwan   08/2019 - Now
Master of Science, Electrical Engineering in Vision Science Lab
Advisor : MIN SUN
- 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

SKILLS

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

RESEARCH EXPERIENCE

Policy Transfer / Policy Composition on Reinforcement learning   10/2019 - 08/2020
- Our research focuses on the **policy transfer** on **robotic** simulation and application.
- We come up with a good way to **decompose** the behaviors of policy on pre-trained tasks into some sub-primitive policies.
- We further leverage these sub-primitives to increase the **sample efficiency** on transfer task.

Medical Image Colorization   08/2020 - Now
- This project focuses on transforming a medial image (e.g. Computed tomography) into a realistic like RGB image using 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 to easily find books from libraries nearby
- Responsible for **project management**, building project architecture and user needs analysis
- Used camera on phone to scan the books; collected the results by **web crawling** from libraries' websites; and presented the results on the App
- 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 elder which can detect falls, dangerous situations
- Responsible for connecting the edge devices and the computing sever with cloud platform

Publication

Hierarchical Alternative Training for Long Range Policy Transfer   ICML 2020 BIG workshop
- Second Author
- We proposed a framework called Hierarchical Alternative Training(HAT) that leverages the hierarchical structure to train the combination function and adapt the primitive polices alternatively, to efficiently produce a range of complex behaviors on challenging new tasks.