

# JIN-SIANG (Justin) LIN 林晉祥

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## SUMMARY

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

## EDUCATION

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**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

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**Programming Languages:** Python, C/C++, JavaScript

**Web / Mobile Development:** HTML / CSS, ReactJS, Redux, Node.js

**Technologies:** Vim, Git, Linux

## RESEARCH EXPERIENCE

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**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

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**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

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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.