

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 - 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 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 - Now

- This project focuses on transforming a medical image (e.g., Computed tomography) into a realistic RGB image using a Deep Learning framework.
- Our result is going to submit to MICCAI 2021.

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.
- Responsible for project management, building project architecture, and user needs analysis.
- Used the camera on the phone to scan the books; collected the results by web crawling from libraries' websites; and presented the results by 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 the elder which can detect falls, dangerous situations.
- Responsible for connecting the edge devices and the computing server with the cloud platform.

Publication

Toward Robust Long Range Policy Transfer

AAAI 2021

- Second Author

Hierarchical Alternative Training for Long Range Policy Transfer

ICML 2020 BIG workshop

- Second Author