JIN-SIANG (Justin) LIN 林晉祥

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SUMMARY

- A graduate student with **Computer Science** background
- 4+ 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

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
Framework: PyTorch
Web / Mobile Development: HTML/CSS, ReactJS, Redux, Node.js, Android
Technologies: Vim, Git, Linux

RESEARCH EXPERIENCE

Policy Transfer / Policy Composition on Reinforcement learning 10/2019 - Now

- 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 tasks

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 with **RESTful Design 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

Mudslide Prediction System 11/2018 - 01/2019

- A course project of Data Mining using Deep Learning, cooperated with two teammates
- Constructed an **image classification** network (using NASNet) to develop a real-time mudslide detection system from scratch and provided the end-to-end service on our demo website
- Trained and evaluated the model with both the open data from Taiwan mudslides prevention website and Google