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

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 designed 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