

Po-Chen Ko

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Education

National Taiwan University

Bachelor of Science in Engineering, Electrical Engineering (EE)

GPA: 4.08/4.3

Relevant Courses: Machine Learning, Computer Vision, Applied Deep Learning.

Taipei, Taiwan

Sep. 2020 - Aug. 2024

Publications

Learning To Act From Actionless Videos Through Dense Correspondences ICLR 2024 (**Spotlight**)

Po-Chen Ko, Jiayuan Mao, Yilun Du, Shao-Hua Sun, Joshua B. Tenenbaum

First Author

📄 [paper](#) 🌐 [project page](#)

Context-Aware Replanning with Pre-Explored Semantic Map for Object Navigation CoRL 2024

Hung-Ting Su*, CY Chen*, Po-Chen Ko*, Jia-Fong Yeh, Min Sun, Winston H. Hsu

Co-First Author

📄 [paper](#) 🌐 [project page](#)

Experience & Internship

Robot Learning Lab (RLL), NTU

Undergraduate Researcher advised by Prof. **Shao-Hua Sun**

Taipei, Taiwan

Feb. 2022 - Present

Gained knowledge about RL and programmatic agents. Explored controlling the behavior of multi-task agents by exploiting multi-dimensional reward function.

Computer Science and Artificial Intelligence Laboratory (CSAIL), MIT

Visiting Student @ cocosci group advised by Prof. **Joshua B. Tenenbaum**

Cambridge, MA

Feb. 2023 - Aug. 2023

Led the Development of a framework that trains an RGB observation conditioned diffusion model as a planner and recovers robot actions from predicted videos through dense correspondences.

Communication and Multimedia Lab (CMLab), NTU

Undergraduate Researcher @ MiRA group advised by Prof. **Winston Hsu**

Taipei, Taiwan

Feb. 2024 - Present

Improved VLM-based semantic maps for Object Navigation by leveraging uncertainty information from the map to aid candidate selection.

Awards

NTUEE Undergraduate Innovation Award

1st. Prize

Jun. 2024

Misc

I released 🐙 **AVDC**, an efficient and popular open-source library for training video planners which received >150 stars on GitHub.