YU QI

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EDUCATION

Peking University, Beijing, China   Sept. 2019 - Present
- B.S. in Computer Science (science direction) in *School of EECS*

PUBLICATIONS AND MANUSCRIPTS

Welcome to drop by my website for detailed research information and links !

[1] Pattern4Ego: Learning Egocentric Video Representation Using Cross-video Activity Patterns

Ruihai Wu*, Yourong Zhang*, **Yu Qi***, Andy Guanhong Chen, Hao Dong   In review of CVPR2023

RESEARCH EXPERIENCES

CCVL Group @ Johns Hopkins University, Research Intern   Apr. 2022 - Present

- supervised by Prof. Alan Yuille and his PhD students: Chenglin Yang, Xiaoding Yuan

- project: Superpixel-based Efficient Vision Transformers   *ongoing*

Hyperplane Lab @ CFCS @ Peking University, Research Intern   2021 - 2022

- supervised by Prof. Hao Dong and his PhD student: Ruihai Wu

- project1: Learning Egocentirc Video Representation Using Cross-video Activity Patterns, where we firstly discover and extract meaningful daily activity patterns like 'wash tomato, slice tomato and fry tomato' to enhance the video representation.   *got rejected by eccv 2022*

- project2: Advanced version of project1. We use new dataset Ego4D and create our own dataset on simulator ai2thor, create two new downstream tasks, and prove the usefulness of our pattern on both high-level vision perception tasks, and robotics tasks like planning.   *ongoing*

Zhang Lab @ biopic @ Peking University, Research Intern   2021 - 2022

- supervised by Prof. Zemin Zhang and his PhD : Chenwei Li, postdoc: Yao He

- project: Antibody Structure Prediction and Antibody Binding Capacity Improvement. *Closed* due to PhD's graduation

AWARDS AND ACHIEVEMENTS

second prize winner of *Peking University Huawei Cup First New Engineering Innovation Competition*   Apr. 2022

- a prize for outstanding undergrad/grad researchers and inventors

RESEARCH ACTIVITIES

presenter (four times) at the **seminar** of Design and Analysis of Algorithms   Mar.-Jun. 2021

- presented about classical papers, for example *PRIMES is in P*

a member of AdaCamp 2022 @ Microsoft Asia   July 2021

SELECTED SERVICE AND LEADERSHIPS

class monitor   2020 - Present
key member of *Student Social Practice Department* @ PKU   2020 - 2021
volunter of *Experienced Beijing Winter Games*   Apr. 2021