ZHUOWAN LI

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RESEARCH INTERESTS

My research interests mainly lie in computer vision and natural language processing. I am always open to new topics.

EDUCATION

Johns Hopkins University   2018 - present
Ph.D. in Computer Science
Advisor: Alan Yuille

Tsinghua University   2014 - 2018
B.E. in Electronic Engineering
Second major: Journalism and Communication

RESEARCH EXPERIENCE

Facebook AI Research, Menlo Park, CA   May 2021 - present
Research intern, mentor: Dhruv Mahajan

· Unsupervised domain adaptation with guidance with pretrained models.

Adobe Research, San Jose, CA   May 2019 - Nov 2019
Research intern, mentors: Quan Tran, Long Mai, Zhe Lin

· Propose new datasets and methods for a new task: context-aware group captioning

Sensetime, Beijing, China   Oct 2017 - March 2018
Part-time Research Internship, mentor: Shuai Yi

· Improve person ReID by reconstructing person images from identity representation using GAN

Tsinghua University, Beijing, China   Nov 2016 - May 2017
Research Assistant advised by Prof. Shengjin Wang

· Improve person ReID by fine-grained attributes and image alignment based on pose estimation

PUBLICATIONS

Zhuowan Li, Elias Stengel-Eskin, Yixiao Zhang, Cihang Xie, Quan Tran, Benjamin Van Durme, Alan Yuille. Calibrating Concepts and Operations: Towards Symbolic Reasoning on Real Images. ICCV 2021

Zhuowan Li, Quan Tran, Long Mai, Zhe Lin, Alan Yuille. Context-Aware Group Captioning via Self-Attention and Contrastive Features. CVPR 2020.

Yixiao Ge*, **Zhuowan Li***, Haiyu Zhao, Guojun Yin, Shuai Yi, Xiaogang Wang, Hongsheng Li. 2018. FD-GAN: Pose-guided Feature Distilling GAN for Robust Person Re-identification. NeurIPS 2018.

SKILLS

Programming Languages	Python, MATLAB, C++, C, LaTeX
Deep Learning Tools	Pytorch, Tensorflow, Torch, Caffe