

Shuangrui Ding

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EDUCATION

Department of Electrical Engineering, Shanghai Jiao Tong University <i>M.S. in Information Engineering</i>	Sept 2021 – Mar 2024 (expected) Shanghai, China
College of Engineering, University of Michigan <i>B.S.E. in Computer Science</i>	Sept 2019 – May 2021 Ann Arbor, Michigan
UM-SJTU Joint Institute, Shanghai Jiao Tong University <i>B.S.E in Electrical and Computer Engineering</i>	Sept 2017 – Aug 2021 Shanghai, China

PUBLICATION (* INDICATES EQUAL CONTRIBUTION)

- Jiaqi Ma*, **Shuangrui Ding***, Qiaozhu Mei. *Towards More Practical Adversarial Attacks on Graph Neural Networks*. Accepted by **NeurIPS 2020**.
- **Shuangrui Ding**, Maomao Li, Tianyu Yang, Rui Qian, Haohang Xu, Qingyi Chen, Jue Wang, Hongkai Xiong. *Motion-aware Contrastive Video Representation Learning via Foreground-background Merging*. Accepted by **CVPR 2022**.

RESEARCH EXPERIENCE

Research Intern , Mentored by Maomao Li Computer Vision Center, Tencent AI Lab	Mar 2021 – Aug 2021
Project: Motion-aware Self-supervised Video Representation Learning <ul style="list-style-type: none">• Propose a simple augmentation method to alleviate the background bias and integrate the method into the existing self-supervised contrastive learning framework.• Achieve the start-of-the-art performance on two downstream tasks, action recognition and video retrieval, on two mainstream datasets, UCF101 and HMDB51.	
Research Intern , Supervised by Prof. Qiaozhu Mei Foreseer Group, University of Michigan	Oct 2019 – June 2020
Project: Black-box Adversarial Attacks on Graph Neural Networks <ul style="list-style-type: none">• Demonstrate that the structural inductive biases of GNNs can be exploited as source of black-box attacks and analyze the discrepancy between classification loss and accuracy.• Propose and verify empirically a practical greedy method to attack node classification tasks.	

AWARDS & HONORS

Shanghai Outstanding Graduates (Top 5%)	May 2021
UM Deans List	Dec 2019, Dec 2020
SJTU Undergraduate Excellent Scholarship	Nov 2018, Nov 2019
Finalist in Mathematical Contest in Modeling (Top 0.3%)	Apr 2019
UM-SJTU John Wu & Jane Sun Sunshine Scholarship (Top 5%)	Nov 2018
National Scholarship (Top 2%)	Sep 2018

SKILLS

Programming : C/C++, Python (Pytorch), Java, HTML/CSS, SQL, MATLAB, \LaTeX
Foreign Languages : English (fluent), Chinese (native)