Qingquan Bao

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EDUCATION

Shanghai Jiao Tong University **Shanghai, China**
Undergraduate in Artificial Intelligence *Sep 2019 - present*

- Zhiyuan Honors Program (elite program only take top 30% talented students in each profession)
- GPA: 3.973/4.3 (Rank 3/76 in the profession of Artificial Intelligence)

EXPERIENCE

Shanghai Jiao Tong University **Shanghai, China**
research intern, with Research Professor Junchi Yan *Sep 2021 - Dec 2021*

Researches on the robustness of existing Graph Matching models based on deep learning; manages to attack current in terms of pixels and keypoint locality; proposes a robust Deep Graph Matching pipeline, a.k.a, ASAR-GM, which achieves SOTA in vision graph matching, and paves a way for studying robustness of deep models in the intersection area of vision and graph domain.

Shanghai Jiao Tong University **Shanghai, China**
research intern, with Research Professor Junchi Yan *Dec 2020 - Dec 2021*

https://github.com/Thinklab-SJTU/ThinkMatch/tree/paddle_version
Implements the PaddlePaddle version of an open-source model library for Graph Matching (GM) tasks, a.k.a., ThinkMatch, to offer the community a toolkit of the implementation of SOTA Deep GM models and benchmarks; finds and issues two bugs in PaddlePaddle. Up to now, the whole project has received over 500 stars in GitHub.

PUBLICATIONS

Qibing Ren, **Qingquan Bao**, Runzhong Wang, Junchi Yan. *"Appearance and Structure Aware Robust Deep Visual Graph Matching: Attack, Defense and Beyond"*, accepted to IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) 2022.

Shenyu Zhang*, Zichen Zhu*, **Qingquan Bao***. *"Rb-PaStaNet: A Few-Shot Human-Object Interaction Detection Based on Rules and Part States"*, Submitted to Irish Machine Vision and Image Processing (IMVIP) 2020.

AWARDS AND ACHIEVEMENTS

Finalist Winner, Interdisciplinary Contest in Modeling (ICM) (top 3% in all teams)	2021
Academic Excellence Scholarship	2020,2021
Zhiyuan Honorary Scholarship	2019,2020,2021
Fanxuji Scholarship	2020

SKILLS

C++, Python (Numpy, PyTorch, PaddlePaddle), VIM

TOEFL score 107