Siting Li

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Education

Tsinghua University   Sep. 2019 – Present
B.Eng in Computer Science (Yao Class, website here)   IIIS, Tsinghua University

- Freshman and Sophomore GPA: 3.72
- Courses: Mathematics for Computer Science, Algorithm Design, Theory of Computation and so on.

Research experiences

Adversarial Robustness in Multimodal Learning (In Progress)   Jul. 2021 – Present
Mentor: Professor Hang Zhao (Tsinghua University)

- Plan to discover how multimodality helps in adversarial detection or how multimodality is better than unimodality in terms of adversarial detection.

Difference-in-Differences: Bridging Normalization and Disentanglement in PG-GAN   Jul. 2020 – Present
Mentor: Professor Yang Yu (Tsinghua University)

- Proposed a DID counterfactual framework to clarify the mechanisms how pixel normalization causes PG-GAN entanglement. Summary of findings available here.

Selected projects

Real Image Editing on User-Specified Semantics by GAN Inversion model   Feb. 2021 – Jul. 2021
2021 Spring Computer Vision course project

- Implemented a compact application to find user-defined semantic directions in GAN's latent space and do real image editing, taking advantage of pre-trained GANs and corresponding inversion models. See our codes here and final report available here.

Honors and scholarships

Selected in the Spark Innovative Talent Cultivation Program, Tsinghua University	2021
Sports Excellence Scholarship, Tsinghua University	2021
Xuetang Scholarship, Tsinghua University	2020
Gold Medal in National Olympiad in Informatics (Invitational)	2018
First Prize in National Olympiad in Informatics in Provinces	2016,2017

Service and outreach

Member of Beijing Volunteer Service Federation   Sept. 2019 – Present

- 45.5 hours of recorded volunteer experience

Member of Tsinghua University Student Association For Brain Science   Sept. 2019 – Present

Skills

Languages : Python, C/C++, Matlab, LaTeX, SQL, Verilog
Framework : Pytorch
Languages : Chinese, English