Lingzhi Li

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Education

Peking University   *Beijing, China*
M.S. in Software Engineering   *Aug. 2017 - PRESENT*
- **1st** place in the graduate student entrance examination(1/175)

Beijing Jiaotong University   *Beijing, China*
B.S. in Communication Engineering   *Aug. 2013 - Jun. 2017*

Skills

Programming   Python, C/C++, CUDA, LaTeX
Research   Semantic Segmentation, generative model, face replacment

Experience

Microsoft Research Asia   *Beijing, China*
Research Intern   *Aug. 2018 - PRESENT*
- Member of the Computer Vision group, supervised by Yang Hao, Dong Chen. Research in semantic segmentation and face replacement.

Projects

ShapeShifter   *Microsoft Research Asia*
First Author   *Mar. 2019 - PRESENT*
- The world's first-ever gan-based open-set high fidelity face replacement algorithm.
- Only one image for both target and source person is required,and needs no further training.
- runs on real time and can handle most extreme situation adaptively.

Graph Guided Context Fusion   *Microsoft Research Asia*
First Author   *Mar. 2019 - PRESENT*
- Achieve state-of-the-art performance in cityscapes benchmark.
- a good trade-off for attention operation between heavy computation and performance gain.

Musical Genre Classification   *TheWebConf 2018*
Team Leader   *Jan. 2018 - Jan. 2018*
- build a simple yet effective music genre classification model on FMA dataset.
- an example of combining traditional signal processing, computer vision and deep learning to solve real world problem.

Li-Fi Audio Signal Transmission System   *Beijing Jiaotong University*
Team Leader   *Jun. 2016 - Aug.2016*
- build a lossless audio transmission system with a simple desk lamp.
- we conduct every step from circuit design, welding to assembling.
- proof of both strong hardware knowledge, hands-on ability and team working.

Publication

ShapeShifter: Towards Open-Set High Fidelity Face Replacment   *Paper In Preparation*
Lingzhi Li,Jianming Bao, Yang Hao, Dong Chen,Fang Wen

DeepDeFake: Learning to Detect Deepfake Video   *Paper In Preparation*
Lingzhi Li,Jianming Bao, Yang Hao, Dong Chen,Fang Wen

Graph Guided Context Fusion for Semantic Segmentation   *Paper In Preparation*

Lingzhi Li, Yang Hao, Dong Chen,Fang Wen

Honors & Awards

2018	**1st**, Jane Street Electronic Trading Competition	*Beijing, China*
2018	**2nd**, Citadel Data-Open Beijing	*Beijing, China*
2018	**Merit Student**, Academic awards of peking university	*Beijing, China*
2018	**39th/3634**, Data Science Bowl, Automate Nucleus Detection Chanllenge	*U.S.A*
2017	**5th/274**, WWW 2018 Musical Genre Classification Challenge	*Lyon, Fance*