

Lingzhi Li

☎ (+86) 176-0050-8850 | ✉ lilingzhi@pku.edu.cn | 🏠 lingzhili.com | 📄 github.com/AlgoHunt

Education

Peking University

M.S. IN SOFTWARE ENGINEERING

- 1st place in the graduate student entrance examination(1/175)
- GPA 3.77/4.0

Beijing, China

Aug. 2017 - PRESENT

Beijing Jiaotong University

B.S. IN COMMUNICATION ENGINEERING

- Grade 84.2/100

Beijing, China

Aug. 2013 - Jun. 2017

Skills

Programming Python, C/C++, CUDA, LaTeX

Research Generative Model, Face Replacement, Deepfake Detection

Experience

Microsoft Research Asia

RESEARCH INTERN

- Member of the Computer Vision group, supervised by Dong Chen. Research in deepfake detection, face replacement and semantic segmentation.

Beijing, China

Aug. 2018 - PRESENT

Publication

Face X-ray for More General Face Forgery Detection

LINGZHI LI*, JIANMING BAO*, TING ZHANG, YANG HAO, DONG CHEN, FANG WEN, BAINING GUO

Paper In Proceeding

FaceShifter: Towards High Fidelity And Occlusion Aware Face Swapping

LINGZHI LI, JIANMING BAO, YANG HAO, DONG CHEN, FANG WEN

Paper In Proceeding

Projects

Face X-ray

CO-FIRST AUTHOR

- Focuses on unknown face forgery detection.
- Achieve state-of-the-art with self supervised training.

Microsoft Research Asia

Mar. 2019 - PRESENT

FaceShifter

FIRST AUTHOR

- First 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 the most extreme occlusion situation adaptively.

Microsoft Research Asia

Mar. 2019 - PRESENT

Graph Guided Context Fusion

FIRST CONTRIBUTOR

- Achieve state-of-the-art performance in cityscapes benchmark.
- reduce time complexity of attention operation from $O(n^4)$ to $O(n^3)$ while remain the same performance

Microsoft Research Asia

Aug. 2019 - Mar. 2019

Musical Genre Classification

TEAM LEADER

- 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.

TheWebConf 2018

Jan. 2018 - Jan. 2018

Li-Fi Audio Signal Transmission System

TEAM LEADER

Beijing Jiaotong University

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.

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 Challenge

U.S.A

2017 **5th/274**, WWW 2018 Musical Genre Classification Challenge

Lyon, France