

Ruiqi Li

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EXPERIENCE

Research Intern Jun. 2020 – Present
NetEase Inc., Beijing

BEng. in Information and Communication Engineering Sept. 2017 – Sept. 2021
(Undergraduate Program for Advanced Project-based
Information Science Education)
Huazhong University of Science and Technology, Wuhan
TOTAL GPA: 3.65
TOFEL iBT: 96

Selected Courses (Score/100):

- Linear Algebra (99), Digital Image Process (94), Computer Vision (92)
 - Probability Theory and Mathematical Statistics (88), Stochastic Processes (86)
 - Electromagnetic Field and Microwave Technology (90), Physics I (92)
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PUBLICATION

Z. Zhou^{1st}, **R. Li^{1st}**, Y. Gao, C. Zhang and X. Hei, “SLDNet: A Branched, Spatio-Temporal Convolution Neural Network for Detecting Solid Line Driving Violation in Intelligent Transportation Systems”, *Information Communication Technologies Conference*, Mar. 2020.
Accepted as **oral** presentation paper.
ieeexplore.ieee.org/document/9123284

J. Li, **R. Li**, Y. Zhou, J. Xian, X. Zhang and X. Hei, “Inferring Student's Attention in a Machine Learning Approach: A Feasibility Study”, *IEEE International Conference on Consumer Electronics - Taiwan*, May 2019.
ieeexplore.ieee.org/document/8991763

RESEARCH INTERESTS

Computer Vision, Image Restoration,
Neural Architecture Search

PROJECT EXPERIENCE

Document Dewarp Project Jun. 2020 - Present

- Reproduce and improve SOTA result of document dewarp.
- Create a new dataset using Blender.
- Introduce NAS and Multi-Task Learning method.

Transportation Project Feb. 2019 – Sep. 2020

- Leader among a group of 12 students.
- Involve development and deployment of 3 deep learning algorithms including SLDNet.
- Develop algorithms based on object detection, semantic segmentation and image classification.

Embedded Systems Course Project Oct. 2019 – Sep. 2020

- Design and implement an automatic classification trashbin.
- Train and deploy LeNet-5 in Microchip MCU (Micro Control Units).

IET Program

Apr. 2018 – Sept. 2019

- Design and implement a concentration recognition network.
- Sponsored by **National Level** Innovation and Entrepreneurship Training Program for College Students, Ministry of Education.

Face Landmark Project

Sept. 2018 – Jun. 2019

- Group member, participate in development of a 108 points light-weight face landmark detection algorithm for Little Lights Inc.
- Contribution: Implement SSD and CenterNet detector.

HONOR & AWARDSSelected into Undergraduate Program for Advanced Project-based
Information Science Education (Seed Class)

Jun. 2019

HUST Scholarship in Science and Innovation

Sep. 2018

1st Prize in HUST Mathematic Modeling Contest

Dec. 2017
