

Chenchen Zhao 赵晨辰

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EDUCATION

Shanghai Jiao Tong University Sep 2019 - Mar 2022
Automation Master Shanghai
GPA 3.5/4.0; Computer Vision A-; Neural Network Theory and Applications A; Optimization Theory and Applications A

Shanghai Jiao Tong University Sep 2015 - Jul 2019
Automation Bachelor Shanghai
Grade 85.4/100; Graduate Thesis A; Digital Image Processing A; Pattern Recognition A-

AWARDS

Shanghai Jiao Tong University First Class Scholarship Sep 2019

Shanghai Association of Automation - Outstanding Bachelor Thesis Award Jan 2021

RESEARCH EXPERIENCE

Adversarial Attacks and Defenses of Neural Networks Sep 2019 - Present
Master undergraduate Dept. Automation Shanghai
Direction: more deadly adversarial attacks, physical adversarial attacks
Paper: (first author) Condition-Invariant Physical Adversarial Attacks via Pixel-wise Adversarial Learning, International Conference on Neural Information Processing 2021 (**best paper award**)

Monocular Object Detection and Orientation Estimation Sep 2018 - Sep 2019
Bachelor undergraduate Dept. Automation Shanghai
Direction: More stable and accurate object detection and orientation estimation models
Paper: (first author) Monocular Pedestrian Orientation Estimation Based on Deep 2D-3D Feedforward, Pattern Recognition 2020 (KITTI ranking 10/162)

Data Scheduling in Store-and-Forward Optical Circuit-Switched Networks Oct 2016 - Sep 2019
Bachelor undergraduate Dept. Electrical Engineering Shanghai
Direction: Algorithm-level optimizations of SnF OCS data scheduling
Paper: (first author) Decoupled Scheduling in Store-and-Forward OCS Networks, Optical Switching and Networking 2020
Paper: (first author) Scaling Up Scheduling in SnF OCS Networks—An Adjacency List Based Solution, Optical Switching and Networking 2019
Paper: (first author) Decomposed Request Scheduling in SnF OCS Networks, International Conference on Transparent Optical Networks 2018 (**oral**)

SKILLS LIST

Tools: Vim, Ubuntu, PyTorch, TensorFlow, Python

Implementations: classic neural network models such as Transformer, YOLO, GAN, VAE, DQN, Binary NN, GradCAM, etc.

English: CET4 595/710, CET6 624/710

PERSONAL HOBBIES

Coding, Project Reproduction, Billiards (top-16 in SJTU), Badminton