

ZHE ZHANG

Artificial Intelligence / Computer Vision

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Education

PEKING UNIVERSITY | MASTER

Major in Computer Science. GPA: 3.97/4.00 (99.3/100.0).

Beijing & Shenzhen

2021 - EGD JUN. 2024

TONGJI UNIVERSITY | BACHELOR & MINOR

Major in Software Engineering / Digital Media Direction. GPA: 4.79/5.00 (Overall Ranking 1st | Grade Ranking Top 2.8%).

Shanghai

2017 - 2021

Minor in Artificial Intelligence(AI). GPA: 5.00/5.00 (The only Full GPA).

2019 - 2021

Research

- GeoMVSNet: Learning Multi-View Stereo with Geometry Perception. (CVPR 2023 1st author). Nov. 2022
- N2MVSNet: Non-Local Neighbors Aware Multi-View Stereo Network. (ICASSP 2023 1st author). Oct. 2022
- Bi-ClueMVSNet: Learning Bidirectional Occlusion Clues for Multi-View Stereo. (IJCNN 2023 1st author). Jan. 2022
- Rank 1st on the Advanced set and 2nd on the Intermediate set of the Tanks and Temples benchmark. Oct. 2022 - PRESENT
- Three Chinese National Patent are being accepted. 2023

NATIONAL ENGINEERING RESEARCH CENTER OF VISUAL TECHNOLOGY

- Mainly research in computer vision, especially in multi-view stereo(MVS) and 3D reconstruction.

ECE, Peking Univ.

Mar. 2021 - PRESENT

Prof. YUJIE LU'S INTELLIGENT CONSTRUCTION LAB

- "3D Reconstruction of Civil Engineering Scenes Based on Unsupervised Deep Learning" won the Excellent Graduation Design(Thesis) of Tongji Univ.

Civil Engineering, Tongji Univ.

Mar. 2021 - Jun. 2021

Prof. LINGYUN SUN'S IDEA LAB

- Realize a target detection system based on Yolo, including environment construction, dataset collection, labeling, augmentation, model training, verification and testing, etc.

AZFT, Zhejiang Univ.

Jul. 2020 - Aug. 2020

Prof. QINGFENG DU'S XLAB

- "Root Reasoning of Cloud Native Systems based on AI" aims to construct the Knowledge Graph and automatically locate the root causes based on TransE.

SSE, Tongji Univ.

Sept. 2019 - Jul. 2020

Intern Experiences

TENCENT AI LAB

- TEG / AI Lab / Digital Human Team Intern.
- Maintain the 4d scanning realistic digital human pipeline and improve the face reconstruction and rendering algorithm.

Tencent Shenzhen Headquarters

SAP

- Work as an intern technical consultant in VT Program. Vice Chairman of Tongji-SAP Club.

SAP China Research Institute, Shanghai

School Experiences

STUDENT ORGANIZATION

- Chairman of Tongji Univ. Student Union. Outstanding Trainee of Qingma Project.
- Outstanding Student of the 9th Leadership Training School.

Tongji Univ.

Peking Univ.

VOLUNTEER

- Outstanding volunteer of "Siyuan Project", sponsored by UNESCO and beautiful homesickness charity team.
- Volunteer for Pujiang Innovation Forum, Shanghai Museum of Mature, Red Cross Association of Tongji Univ., etc.

OTHERS

- New Generation Apple Teacher. Programming tutor of A Weekend Hour and MySummer / MyWinter.
- Microsoft Learn Student Ambassador, HUAWEI / OpenMMLab / DJI / Tencent, Campus Ambassador.

Apple Store(China)

Awards & Honors

- China National Scholarship (Top 0.1%). 2019-2020
- Outstanding Graduate of Shanghai Province (Top 0.1%). Jun. 2021
- Pursuit Preeminent Student Award of Tongji Univ. (Highest-level award). Jun. 2021
- Social Work Award of Peking University (Top 10%). 2021-2022
- Excellent Student Model Award (Top 0.1%), Excellent Leadership Award (Top 1%) of Tongji Univ. 2019-2020 | 2017-2018
- First-class Scholarship (Top 5%), Social Activity Scholarship (Top 5%), Outstanding Volunteer (Top 0.1%) of Tongji Univ. 2017-2018 | 2017-2020
- Finalist Award of MCM/ICM 2020 (Top 1%), the paper was published in ESETEP 2020. Apr. 2020
- Mathematical Contest in Modeling of China, 2nd (Top 15%). Shanghai competition area, 1st (Top 10%). Nov. 2019

Skills

PROGRAMMING LANGUAGES	Python, Matlab, HTML+JavaScript+CSS, C/C++, Java, Shell, C#
FRAMEWORKS	PyTorch, Gatsby, React Native, WeChat Mini Program, SpringBoot, SwiftUI, Neo4j, Simulink
LANGUAGES	English(fluent, CET4 598 CET6 530), Chinese(Native)
TOOLS	Latex, Unity, Premiere, Maya, R3DS(Track, Warped4D), Reality Capture, Agisoft Metashape