

JIACHEN ZHONG

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PROFESSIONAL EXPERIENCES

- **Algorithm Engineer** 6/2020 - present
AI Lab of SAIC Motor, Shanghai
 - Vision perception and machine learning algorithms for L2/3 ADAS, L4 Robotaxi, and DMS.
- **Graduate Student Researcher** 4/2019 - 6/2019
Cuneiform Digital Library Initiative at UCLA, Los Angeles
 - Worked on error detecting functions of an open source CDLI ATF checker, PyOracc.
- **Software Engineer Internship** 6/2017 - 8/2017
NetEase, Beijing
 - Worked on the backend of news web crawlers and automatic news push system.
- **Research Assistant** 6/2016 - 4/2018
UCLA-MPI Joint Research Center in Ubiquitous Computing, Macao
 - Deep learning based social network fashion popularity analysis.
 - Real-time portable environmental monitoring system.

PROFESSIONAL INTERESTS

- **Autonomous Driving:** Vision perception solutions for production-level L2-L4 autonomous driving.
- **Machine Learning:** Multi-views(BEV) 3D vision perception, monocular 2/3D vision perception, unsupervised/self-supervised/representation learning, generative modeling, adversarial/robust machine learning, optimization.

EDUCATION

- **University of California, Los Angeles (UCLA)** 2018 - 2020
Master of Science in Computer Science, GPA: 3.90/4.0
Advisor: Prof. Cho-Jui Hsieh
- **Macao Polytechnic Institute (MPI)** 2014 - 2018
Bachelor of Science in Computing, GPA: 3.64/4.0 (Top 1)
Advisor: Prof. Rita Tse

PAPERWORKS

- Zijian Zhu, Yichi Zhang, Hai Chen, Yinpeng Dong, Shu Zhao, Wenbo Ding, **Jiachen Zhong**, Shibao Zheng. Understanding the Robustness of 3D Object Detection with Birds-Eye-View Representations in Autonomous Driving. In *Computer Vision and Pattern Recognition Conference (CVPR)*, 2023.
- Jianyong Ai, Wenbo Ding, Jiuhua Zhao, **Jiachen Zhong**. WS-3D-Lane: Weakly Supervised 3D Lane Detection With 2D Lane Labels. In *International Conference on Robotics and Automation (ICRA)*, 2023.
- **Jiachen Zhong**, Xuanqing Liu, and Cho-Jui Hsieh. Improving the Speed and Quality of GAN by Adversarial Training. arXiv preprint arXiv:2008.03364, 2020.

- **Jiachen Zhong.** Towards Fast and Stable GAN via Free Adversarial Training. Master Thesis, UCLA, 2020.
- **Jiachen Zhong,** Rita Tse, Gustavo Marfia, Giovanni Pau. Fashion Popularity Analysis based on Online Social Network via Deep Learning. In *International Conference on Digital Image Processing (ICDIP)*, 2019.

PROFESSIONAL SKILLS

- **Programming Languages:** Python, SQL, JavaScript & Node.js, Java, LaTeX
- **Packages & Tools:** PyTorch, MXNet, TensorFlow, Docker, Sklearn, Git

HONORS, AWARDS AND CERTIFICATES

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| • IET Chartered Engineer (CEng) | 2018 |
| • Henry Fok Foundation Scholarship | 2018 |
| • The IET Prize 2018 | 2018 |
| • Nam Kwong Education Scholarship | 2017 |
| • Second Place in International ICT Innovative Services Awards | 11/2016 |
| • Bronze Prize in China Chuang Qing Chun College Students Entrepreneurship Competition | 5/2016 |
| • Bank of China Scholarship | 2016 |
| • Macao Foundation Scholarship | 2014 - 2018 |