

# JIACHEN ZHONG

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## PROFESSIONAL AND RESEARCH EXPERIENCES

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- **Algorithm Engineer** 6/2020 - present  
AI Lab of SAIC Motor, Shanghai
- **Graduate Student Researcher** 4/2019 - 6/2019  
Cuneiform Digital Library Initiative at UCLA, Los Angeles
- **Research Assistant** 6/2016 - 4/2018  
UCLA-MPI Joint Research Center in Ubiquitous Computing, Macao
- **Software Engineer Internship** 6/2017 - 8/2017  
NetEase, Beijing

## EDUCATION

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- **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

## ENGINEERING AND RESEARCH AREAS

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- **Autonomous Driving:** Machine vision perception solutions for production-level autonomous driving including L2/3 ADAS, L4 Robotaxi, and DMS.
- **Machine Learning:** monocular 2/3D perception, unsupervised learning, attention mechanism, optimization, generative modeling, adversarial learning.

## PAPERWORKS

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- **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. *The 11th International Conference on Digital Image Processing (ICDIP)*, 2019.
- **Jiachen Zhong**. Analyzing Fashion Trends using Machine Learning. Bachelor Thesis, Macao Polytechnic Institute, 2018.

## PROFESSIONAL SKILLS

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- **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*