JIACHEN ZHONG

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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

PROFESSIONAL AND RESEARCH EXPERIENCES

- **Algorithm Engineer** *6/2020 - present*
  AI Lab of SAIC Motor, Shanghai

  - Exploring advanced engineering and research of machine learning algorithms in object detection, unsupervised representation learning, attention mechanism, and generative modeling.

  - Applying machine learning algorithms in production-level automated vehicles including ADAS and DMS.

- **Graduate Student Researcher** *4/2019 - 6/2019*
  Cuneiform Digital Library Initiative at UCLA, Los Angeles

  - Developed and maintained error detecting functions of PyOracc which is an open source CDLI ATF file checker. Link: https://github.com/cdli-gh/pyoracc/tree/error_detector

- **Research Assistant** *6/2016 - 4/2018*
  UCLA-MPI Joint Research Center in Ubiquitous Computing, Macao

  - Did the research on how to utilize Deep CNNs to judge the quality of fashion images.

  - Developed Sounds Collection Device with TES-1352S Sound Level Meter.

- **Software Engineer Internship** *7/2017 - 8/2017*
  NetEase, Beijing

  - Established, tested, and maintained several crawlers to fetch news on the Internet for auto push news systems.

- **UCLA Summer Research Work** *8/2016*
  Network Research Lab at UCLA CS Dept., Los Angeles

  - Implemented an Android chat application using Java Remote Method Invoke(RMI)

PAPERWORKS

- **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.

WORK AND RESEARCH INTERESTS

- **Machine Learning & Perception methods:** un/semi-supervised learning, object detection, generative modeling, attention mechanism, lite-weight model
- **Applications:** automated vehicles (ADAS and DMS)

PROFESSIONAL SKILLS

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

HONORS, AWARDS AND CERTIFICATES

- **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*

MEMBERSHIP

- **The Institution of Engineering and Technology (IET)** *2014 - present*