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

RESEARCH AND PROFESSIONAL EXPERIENCES

- **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.

- **Development 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 Computer Science Department
  Los Angeles

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

SELECTED PROJECTS

- **Towards Fast and Stable GAN via Free Adversarial Training** *10/2019 - 3/2020*

  - Master Thesis: The work improves the training speed and generation quality based on Rob-GAN.

- **Identifying Offensive Language in Social Media** *4/2019 - 6/2019*

  - Tried various machine learning models to detect offensive language and studied the influence of using emojis in this task.

- **Data Augmentation by using GAN** *2/2019 - 3/2019*

  - Attempted to build Generative Adversarial Networks (GAN) to perform data augmentation.

- **Paper Classification on Citation Networks by Using Asymmetry Relation Design** *2/2019 - 3/2019*
  - Attempting to utilize the asymmetry relation design in probabilistic graphical models to perform classification on paper topics

- **Probabilistic Database System** *9/2018 - 12/2018*
  - Built a Probabilistic Database on MySQL with Lift Inference Rule,Direct Sampling, and Brute Force functions in Python.

- **Analyzing Fashion Trend Using Machine Learning** *9/2017 - 5/2018*
  - Bachelor Thesis: Trained CNNs to rate the quality of fashion images with over 1 million newly collected fashion data.

PUBLICATION

- **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.

RESEARCH AND STUDY INTERESTS

Machine Learning, Generative Models, GAN

PROFESSIONAL SKILLS

- **Programming Languages:** Python, JavaScript & Node.js, Java, SQL, NoSQL

- **Software & Tools:** PyTorch, TensorFlow, MySQL, Sklearn, Git, Docker, LaTex

MENTORSHIP EXPERIENCES

- **Student Mentor of MPI-UCLA Summer Research Work** *2017, 2018*
  Macao Polytechnic Institute

- **Student Mentor of Freshman in Computing Programme at MPI** *2017, 2018*
  Macao Polytechnic Institute

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*