

JIACHEN ZHONG

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EDUCATION

- **University of California, Los Angeles (UCLA)** *9/2018 - present*
Master of Science in Computer Science, GPA: 3.86/4.0 (by Winter 2019)
- **Macao Polytechnic Institute (MPI)** *8/2014 - 6/2018*
Bachelor of Science in Computing, GPA: 3.64/4.0 (Top 1)

RESEARCH AND PROFESSIONAL EXPERIENCES

- **Graduate Student Researcher** *4/2019 - present*
Cuneiform Digital Library Initiative at UCLA
Los Angeles
- **Undergraduate Research Assistant** *6/2016 - 4/2018*
UCLA-MPI Joint Research Center in Ubiquitous Computing
Macao
 - Developed Sounds Collection Device with TES-1352S Sound Level Meter.
 - Did the research on how to utilize Deep CNNs to judge the quality of fashion images.
 - Set and demonstrated the Perception Neuron motion capture devices on MPI open day.
- **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** *8/2017*
Network Research Lab at UCLA Computer Science Department
Los Angeles
 - Implemented an Android chat application using Java Remote Method Invoke(RMI)

SELECTED PROJECTS

- **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.
- **Poker Hand Classifier in Various Machine Learning** *6/2018 - 9/2018*
 - Tried various machine learning methods to classify UCI poker hand dataset.

- **Analyzing Fashion Trend Using Machine Learning**

9/2017 - 5/2018

- Bachelor Degree Final Year Project.
- Implemented crawler via Node.js to collect over 2 million fashion data.
- Trained CNNs to rate the quality of those fashion images.

PUBLICATION

- **J. Zhong**, R. Tse, G. Marfia, G. Pau. Fashion Popularity Analysis based on Online Social Network via Deep Learning. To appear at The 11th International Conference on Digital Image Processing (ICDIP), 2019.

RESEARCH AND STUDY INTERESTS

Machine Learning, Artificial Intelligence in general, Generative Models

PROFESSIONAL SKILLS

- **Programming Languages:** Python, JavaScript & Node.js, Java, SQL, C, PHP, NoSQL
- **Platforms, Libraries & Tools:** TensorFlow, MySQL, PyTorch, Sklearn, Git, Docker
- **Operating Systems:** Linux(Ubuntu, Deepin), Windows, Mac OS
- **Hardware:** Raspberry Pi

TEACHING AND MENTORSHIP EXPERIENCES

- **Tutorial on Neural Networks and TensorFlow to Mentees** *1/2018*
Macao Polytechnic Institute
- **Student Mentor in 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 (InnoServe Award)** *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*