

# JIACHEN ZHONG

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## EDUCATION

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- **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

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- **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

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- **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.

## RESEARCH AND STUDY INTERESTS

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Machine Learning, Deep Learning, Artificial Intelligence in general

## PROFESSIONAL SKILLS

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- **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

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- **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

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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 (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

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