Zhu Chenxiao
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Education History

University of Electronic Science and Technology of China, China *Sept 2014-Jul 2018*

- Bachelor of Engineering in Network Engineering, expected Jul 2018
- School of Communication & Information Engineering
- Overall GPA and Average score (until the sixth semester): 3.81/4.0, 85.6/100
- Major Courses: Calculus, Linear Algebra, Signals and Systems, Algorithm, Digital, Signal Processing, Computer Network, TCP/IP, Microcomputer System Theory, Data Mining
- Award: People's Scholarship 3rd prize for twice (2014-2015, 2015-2016) 2nd price once (2016-2017)
- Distinguished graduate of UESTC (top 10%)

National Chiao Tung University, Taiwan *Jul 2015-Aug 2015*

- Summer school, College of Electrical and Computer Engineering

Nanyang Technological University, Singapore *Aug 2017-May 2018*

- Exchange student, Research Assistant in the Innovation Lab
- Final year project

Academic Skill

- Proficient: C/C++, Python, Java, Android, MATLAB, HTML/CSS/JavaScript
- Familiar with: Tensorflow, Pytorch
- IELTS: 6.5 (Listening 6.5, Reading 7.5, Speaking 6, Writing 6)
- GRE: 313+3

Research Interest

- High dimensional data process
- Data Mining
- Machine Learning, especially reinforcement learning

Project & Research Experience

Tensor-Generative Adversarial Network with Two-dimensional Sparse Coding: Application to Real-time Indoor Localization *Mar 2017 - Oct 2017*

- First author and the paper has been submitted to IEEE ICC 2018 SAC Symposium Internet of Things Track.
- Introduce a novel real-time indoor localization approach using tensor model with neural network
- Apply a tensor-based GAN to generate extra training data to enhance the learning process

NTU Employee Happiness Project Funded by SCSE NTU *Aug 2017-*

- Main member in group; be in charge of experiment design, software develop, data collect and research
- Use data mining to quantize and analysis the collected physiologic data
- Use neural network and reinforcement learning to predict and improve employee's happiness level

Integrated Thermal Comfort Management (iTCM) System Funded by GBIC Singapore *Aug 2017-*

- Take part in data collect and analysis part, mainly focus on system construction.
- Use reinforcement learning to control the indoor air-con based on users' thermal comfort

Recommender System from Netflix Prize Competition *Jun 2017*

- Realize the algorithm of the winner paper: Matrix Factorization Techniques for Recommender Systems

Twitter Data Analysis Based on Naive-Bayes *Feb 2017*

- Use Python to develop a twitter data analyzing method based on Naive-Bayes algorithm
- Won the title 'Excellent Course Report' in final presentation

Intern as Front-end Engineer in Sichuan WinShare Education company *Jul 2016 - Aug 2016*

- Mainly focus on web page development

Extracurricular Activity

FutureChina None-Governmental Organization Mar 2017-

- Co-founder of the organization, web site constructor, aim to alleviate the inequalities of education in China