

Runze Mao

PRESENT ADDRESS

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PERMANENT ADDRESS

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RESEARCH EXPERIENCE

Deep Learning In progress

- Learning NLP due to interest in dialogue generation.
- Experienced in word2vec and RNN.
- Teaching assistant of AI course since 3 Sep, 2017.

Matrix Factorization In progress

- Combining transfer learning with clustering methods like NMF.
- Seeking for highly effective solutions to parallelizing matrix factorization.

Emotional Breakpoints Mar. 2017 - Jul. 2017

- Worked on a project concerning social sentiment analysis.
- Improved the existing algorithm on the detection of significant emotional changes.
- Results were summarized in “*A Data-processing Method Applied to the Detection of Emotional Breakpoints in Social Media*”, which can be found at <https://imrz.github.io>.

AI Contest for Course Final Dec. 2016

- Ranking: 9/162.
- Self-taught SVM.
- Transformed the SMO algorithm into a totally stochastic method and applied it to a multi-classification problem.

EDUCATION

Sun Yat-sen University, Guangzhou, China — School of Data and Computer Science
Major: Software Engineering. **Concentration:** Machine Learning
Candidate for bachelor of Engineering
G.P.A.: 85.2/100, TOEFL: 91

PROFESSIONAL SKILLS

Maths: Lagrange multiplier, Bayesian analysis, matrix calculus.

Programming: Experienced in MXNet with python. Proficient in C++ and MATLAB.

HONORS AND AWARDS

Apr. 2017: 3rd prize in *SYSU Collegiate Programming Contest*

Jan. 2016: 2nd prize of Guangdong Province in *Contemporary Undergraduate Mathematical Contest in Modeling*

Dec. 2015: 3rd prize in *SYSU ICPC for Novices*

Nov. 2015: 2nd Prize Scholarship

May 2015: Outstanding member of SYSU Communist Youth League

EXTRACURRICULAR ACTIVITIES

Minister of SYSU Zhuhai Chorus(2015-2016).

Performed in the SYSU 90th anniversary concert(2014) and a cross-strait exchange concert(2016)

Gold award in the Zhuhai Choral Festival(2014).