

MINGHUAN LIU

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EDUCATION

Southwest Jiaotong University (SWJTU)

Sep. 2015 - July. 2019 (expected)

B.S. in Computer Science and Technology

- Overall GPA: 3.84/4.0 Ranking: 1/98
- Key Lab of Cloud Computing and Intelligent Technology
- Advisor: Tianrui Li
- **Currently I am a pre-graduate student of Apex Lab. at Shanghai Jiaotong University supervised by Prof. WeinanZhang and Prof. Yong Yu**

RESEARCH EXPERIENCES

Automatic Proofreading in Chinese: Detect and Correct Spelling Errors in Character-level with Deep Neural Networks

April 2017 - April 2018

Advisor: Prof. Tianrui Li

- This study focuses on automatic detection and correction spelling errors in Chinese text
- Proposed the candidate attentive checker and the double attentive checker, using confusion sets and attention mechanism
- The first author and our paper is still being revised

PROJECTS EXPERIENCE

StarCraftII Minigame AI

July 2018 - August 2018

Advisor: Lisen Mu, Jingchu Liu

- This is a work in Deecamp 2018, which gained Great Demo Award
- Use reward shapping and hierarchical reinforcement learning, gain higher results than benchmarks on minigame CollectMineralShards and BuildMarines

Verication Code Identication

Mar. 2017 - April. 2017

- A naive implementation of BP and CNN based on Numpy and Matlab

AWARDS & HONORS

TOP5, AI Challenger 2018 in Weather Forecasting

2018

National First Prize, China Undergraduate Mathematical Contest in Modeling

2017

Meritorious Winner, Mathematical Contest In Modeling

2017

Third Prize, ACM Competition of Southwest Jiaotong University

2017

China National Scholarship

2016&2017

Tang Lixin Scholarship

2017

IBM Scholarship

2017

SKILLS

Machine Learning: Tensorflow, Scikit-Learn, lightGBM

Programming Languages: Python, MATLAB, C / C++, Java, LATEX

Standard Tests: TOFEL(88 for now), CET-6(574), CET4(616)

Hobbies and Interests: Swimming, Soccer