

MINGHUAN LIU

Phone: (+86) 13880197858

Email: EricLiu@my.swjtu.edu.cn

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

RESEARCH EXPERIENCES

StarCraftII AI

Advisor: Lisen Mu, Jingchu Liu

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

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, wrote more than 60% of the whole paper
- Our paper was submitted to EMNLP 2018

PROJECTS EXPERIENCE

Classroom Management System

Nov. 2017 - Dec. 2017

- A naive Java implementation of management system based on Mysql, JDBC and Swing
- <https://github.com/Ericonaldo/Java-Classroom-Management-System>

Windows Painter

Nov. 2017 - Dec. 2017

- A naive Java implementation of Windows Painter based on Swing
- <https://github.com/Ericonaldo/Java-Painter>

Verification Code Identification

Mar. 2017 - April. 2017

- A naive implementation of BP and CNN based on Numpy and Matlab
- https://github.com/NBGroup/swjtu_verif

AWARDS & HONORS

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*

- Twice and the only one in my major

Tang Lixin Scholarship *2017*

- Only 60 the whole school

IBM Scholarship *2017*

- Only 3 undergraduates the whole school

Special Grade Comprehensive Scholarship*2016 - 2017*

- Four times and the only one in my major

Pacemaker to Merit Student*2016&2017*

- Twice and the only one in my major

SKILLS

Machine Learning: Tensorflow, Scikit-Learn**Programming Languages:** Python, MATLAB, C / C++, Java, LATEX**Standard Tests:** TOFEL(88), CET-6(574), CET4(616)**Hobbies and Interests:** Swimming, Soccer (Two runner-ups in school level competitions)**LEADERSHIP & EXTRACURRICULAR ACTIVITIES**

Monitor of Class*Sept. 2015 - Present*

- Got the highest collective honor of SWJTU named Loyalty Class, only awarded to 9 undergraduates' classes.

Outstanding Volunteers*Mar. 2016*