Zhi-ning Liu

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EDUCATION

School of Artificial Intelligence, **Jilin University**, P.R.China   Sep 2019 – Jul 2022
M.S. in Computer Science
- My recent interests include multi-task reinforcement learning and meta learning
- Mentor: Dr. Yi Chang

School of Computer Science, **Jilin University**, P.R.China   Sep 2015 – Jul 2019
B.S. in Computer Science
- Major: Tang Ao-Qing honor program in Computer Science
- Average Overall Score: 88.96/100
- GPA: 3.55/4.0

BASIC INFORMATION
- Male, Born in Jul 13th, 1998
- Mandarin: native speaker
- English: fluent (CET6 : 532 IELTS : 7.0)
- Programming language: Python, C++, etc.

EXPERIENCE

Machine Learning Group, **Microsoft Research Asia**   Sep 2018 – Jun 2019
- **Research Intern** (Mentor: Dr. Jiang Bian, Co-mentor: Dr. Wei Cao)
- My work mainly focuses on massive highly imbalance classification and its application on intelligent logistic. We proposed a general ensemble framework that can greatly boost canonical classifiers' performance on highly imbalanced data while being very computationally efficient.

Laboratory of Cybernetic Intelligence, **Jilin University**   May 2017 – May 2018
- **Undergraduate Research Assistant**
- We designed and built a prototype of auto-recharge system for multi-rotor UAV, including a ground station with its control program and a vision system which was used to navigate the precision landing procedure. This project has ¥10,000 RMB funding support from the Ministry of Education.
- I served as the **Program Leader** of a 4-person group. This project finally won the outstanding student project award.

PUBLICATION

"Training Effective Ensemble on Imbalanced Data by Self-paced Harmonizing Classification Hardness"
Zhining Liu, Wei Cao, Zhifeng Gao, Jiang Bian, Hechang Chen, Yi Chang and Tie-Yan Liu,
Manuscript submitted to *36th IEEE International Conference on Data Engineering*

AWARDS & SCHOLARSHIPS

Undergraduate Research Scholarship, First Prize by Jilin University   2018
For individual research accomplishment. (20 out of 400, ¥5,000 RMB)

Outstanding Student Project Scholarship by Jilin University   2018
For well accomplishment of student research project (2 out of 84, ¥5,000 RMB).

Student Scholarship, Second Prize by Jilin University   2018
For student achievement. (Top 10%, ¥1,000 RMB)

National Endeavor Fellowship by Ministry of Education   2017
For student achievement. (Top 5%, ¥5,000 RMB)

The Individual Scholarship by Jilin University   2017 & 2018
For student achievement.

Excellent Student Leader by Jilin University   2016 & 2017
For student service.

CAMPUS ACTIVITIES

Serve as Class Monitor
I served my class as one of two monitors and was responsible for organizing student activities. Thanks to the kind help from my classmates and professors, we successfully started TAQ-CS series Talk.

Granted Patent and Copyrights
I was granted 1 utility model patent and 3 software copyrights as the first author or first contributor.

Serve as reviewer
I served as a reviewer for IEEE TKDE, IEEE ICDM, IEEE Access and Elsevier Neurocomputing.