Zhi-ning Liu

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EDUCATION

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

School of Computer Science, **Jilin University**, P.R.China   Sep 2015 – Jul 2019
B.Sc. 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 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 CNY 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.

PUBLICATIONS

"MESA: Boost Ensemble Imbalanced Learning with MEta-SAmpler"   2020
Zhining Liu, Pengfei Wei, Jing Jiang, Wei Cao, Jiang Bian and Yi Chang,
in 34th Conference on Neural Information Processing Systems (NeurIPS'20, in press)

"Self-paced Ensemble for Highly Imbalanced Massive Data Classification"   2019
Zhining Liu, Wei Cao, Zhifeng Gao, Jiang Bian, Hechang Chen, Yi Chang and Tie-Yan Liu,
in 36th IEEE International Conference on Data Engineering (ICDE'20)

SELECTED HONORS & SCHOLARSHIPS

National Scholarship (1 out of 40, ¥20,000 CNY) by Ministry of Education   2019 & 2020
Academic Performance Scholarship (Top 40%, ¥8,000 CNY) by Jilin University   2019 & 2020
Master's Excellence Scholarship, First Prize (Top 5%, ¥1,500 CNY) by Jilin University   2020
Outstanding Student Leader Scholarship (For student service) by Jilin University   2016 & 2019
Undergraduate Research Scholarship (20 out of 400, ¥5,000 CNY) by Jilin University   2018
Outstanding Student Project Scholarship (2 out of 84, ¥5,000 CNY) by Jilin University   2018
National Endeavor Fellowship (Top 5%, ¥5,000 CNY) by Ministry of Education   2017

CAMPUS & PROFESSIONAL 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.

Serve as Reviewer
I am a reviewer for ACM SIGKDD, IEEE ICDM, IEEE TKDE, IEEE Trans. on Cybernetics, and Elsevier Neurocomputing etc.

Serve as Student Volunteer
I serve as a student volunteer for ACM SIGIR 2020, responsible for conference promotion and publicity.