

# Zhi-ning Liu

1699 Qianjin Street, Changchun, Jilin Province, 130012, China

✉ [zhining.liu@outlook.com](mailto:zhining.liu@outlook.com) 🌐 [Homepage:zhiningliu.com](http://Homepage:zhiningliu.com) 📄 [Github:ZhiningLiu1998](https://github.com/ZhiningLiu1998) 🎓 [Google Scholar](https://scholar.google.com/citations?user=zhiningliu) [in LinkedIn](#) ☎ +86 176-1010-6607

EDUCATION	School of Artificial Intelligence, <b>Jilin University</b> , P.R.China <b>M.Sc. in Computer Science</b> <ul style="list-style-type: none"><li>▪ Advisor: <u>Dr. Yi Chang</u></li></ul> School of Computer Science, <b>Jilin University</b> , P.R.China <b>B.Sc. in Computer Science</b> <ul style="list-style-type: none"><li>▪ Major: Tang Ao-Qing honor program in Computer Science</li><li>▪ Average Overall Score: 88.96/100</li><li>▪ GPA: 3.55/4.0</li></ul>	Sep 2019 – Jul 2022  Sep 2015 – Jul 2019
EXPERIENCE	<i>Machine Learning Group</i> , <b>Microsoft Research Asia</b> <ul style="list-style-type: none"><li>▪ <b>Research Intern</b> (Mentor: <u>Dr. Jiang Bian</u> and <u>Dr. Wei Cao</u>)</li><li>▪ My work mainly focuses on massive highly imbalance classification and its application on intelligent logistic. We proposed a versatile ensemble learning framework that can significantly boost canonical classifiers' performance on highly imbalanced data while being computationally efficient.</li></ul> <i>Laboratory of Cybernetic Intelligence</i> , <b>Jilin University</b> <ul style="list-style-type: none"><li>▪ <b>Undergraduate Research Assistant</b></li><li>▪ We 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.</li><li>▪ I served as the Program Leader of a 4-person group. This project finally won the outstanding project award (2 out of 84 in the Computer Science Department) and a total of ¥15,000 CNY.</li></ul>	Sep 2018 – Jun 2019  May 2017 – May 2018
PUBLICATIONS	<b>"Towards Inter-class and Intra-class Balancing for Class-imbalanced Learning"</b> <i>Zhining Liu</i> , et al. (under review) <b>"Long-term Continuous Spine Treatment Outcome Forecasting"</b> <i>Zhining Liu*</i> , Hangting Ye*, et al. (ongoing work) <b>"MESA: Boost Ensemble Imbalanced Learning with MEta-Sampler"</b> <i>Zhining Liu</i> , Pengfei Wei, Jing Jiang, Wei Cao, Jiang Bian and Yi Chang, in <i>34th Conference on Neural Information Processing Systems (NeurIPS'20)</i> <b>"Self-paced Ensemble for Highly Imbalanced Massive Data Classification"</b> <i>Zhining Liu</i> , Wei Cao, Zhifeng Gao, Jiang Bian, Hechang Chen, Yi Chang and Tie-Yan Liu, in <i>36th IEEE International Conference on Data Engineering (ICDE'20)</i>	2021  2021  2020  2020
SELECTED HONORS & SCHOLARSHIPS	<b>National Scholarship</b> (1 out of 40, ¥20,000 CNY) by Ministry of Education <b>Academic Performance Scholarship</b> (¥8,000 CNY) by Jilin University <b>Outstanding Student Leader Scholarship</b> (For student service) by Jilin University <b>Undergraduate Research Scholarship</b> (20 out of 400, ¥5,000 CNY) by Jilin University <b>Outstanding Student Project Scholarship</b> (2 out of 84, ¥5,000 CNY) by Jilin University <b>National Endeavor Scholarship</b> (Top 5%, ¥5,000 CNY) by Ministry of Education	2019 & 2020 2019 & 2020 2016 & 2019 2018 2018 2017
PROFESSIONAL & CAMPUS ACTIVITIES	<b>Serve as Conference/Journal Reviewer</b> I serve(d) as a reviewer for top-tier computer science conferences/journals: <ul style="list-style-type: none"><li>▪ Conferences: ACM SIGKDD, IEEE ICDM</li><li>▪ Journals: IEEE TKDE, IEEE Trans. on Cybernetics, Elsevier Neurocomputing</li></ul> <b>Serve as Conference Volunteer</b> <ul style="list-style-type: none"><li>▪ Conferences: ACM SIGIR 2020 (for conference publicity)</li></ul> <b>Serve as Class President</b> <ul style="list-style-type: none"><li>▪ I served my class as one of two presidents and was responsible for organizing student activities. With the kind help from my classmates and professors, we successfully started TAQ-CS series Talk.</li></ul>	
MISCELLANEOUS	<ul style="list-style-type: none"><li>▪ Male, Born in Jul 13th, 1998</li><li>▪ <i>Mandarin</i>: native speaker</li><li>▪ <i>English</i>: fluent (<b>IELTS:7.0</b> (2017) <b>TOFEL:109</b> (2021))</li></ul>	