

Zhi-ning Liu

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EDUCATION	Jilin University , Changchun, China M.S. in Computer Science (School of Artificial Intelligence) <ul style="list-style-type: none">▪ Advisor: Prof. Yi Chang	2019 – 2022
	Jilin University , Changchun, China B.S. in Computer Science (School of Computer Science and Technology) <ul style="list-style-type: none">▪ Tang Ao-Qing honor class, top 1% at the matriculation▪ GPA: 3.55/4.0, 88.96/100	2015 – 2019
PUBLICATIONS	Towards Inter-class and Intra-class Imbalance in Class-imbalanced Learning <i>Zhining Liu</i> , et al. (under review)	2021
	IMBENS: Ensemble Class-imbalanced Learning in Python <i>Zhining Liu</i> , et al. (preprint)	2021
	Long-term Continuous Spine Treatment Outcome Forecasting <i>Zhining Liu*</i> , Hangting Ye*, et al. (ongoing)	2021
	MESA: Boost Ensemble Imbalanced Learning with MEta-SAmpler <i>Zhining Liu</i> , Pengfei Wei, Jing Jiang, Wei Cao, Jiang Bian and Yi Chang. (NeurIPS'20)	2020
	Self-paced Ensemble for Highly Imbalanced Massive Data Classification <i>Zhining Liu</i> , Wei Cao, Z.F. Gao, J Bian, H.C. Chen, Yi Chang and Tie-Yan Liu. (ICDE'20)	2020
EXPERIENCE	Microsoft Research Asia , <i>Machine Learning Group</i> <ul style="list-style-type: none">▪ Research Intern (Mentor: Dr. Jiang Bian and Dr. Wei Cao)▪ Researched on large-scale highly-imbalanced classification in intelligent logistics. Proposed an algorithm that was adopted by a leading Chinese logistics company and has served millions of users.	2018 – 2019
	Jilin University , <i>Laboratory of Cybernetic Intelligence</i> <ul style="list-style-type: none">▪ Research Assistant (Advisor: Prof. Hongwei Zhao)▪ Designed and built an ground system for UAV auto-recharging with vision-based landing & docking.	2017 – 2018
PROJECTS	(800+ stars on Github by Nov 2021)	
	IMBENS: class-imbalanced ensemble learning in Python. (40+ stars, 7,000+ downloads)	2021
	Awesome-Imbalanced-Learning: papers, codes, and libraries. (600+ stars)	2020
	SPE: general & effective ensemble learning framework. (150+ stars, 6,800+ downloads)	2020
	MESA: unbiased learning with meta-knowledge-powered resampler. (60+ stars)	2020
SELECTED HONORS & SCHOLARSHIPS	National Scholarship (1/40, ¥20,000 CNY) by Ministry of Education	2019 & 2020
	Academic Performance Scholarship (¥8,000 CNY) by Jilin University	2019 & 2020
	Master's Excellence Scholarship, First Prize (Top 5%) by Jilin University	2020
	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 Scholarship (Top 5%, ¥5,000 CNY) by Ministry of Education	2017
	Outstanding Student Representative (For student service) by Jilin University	2016 - 2019
PROFESSIONAL & CAMPUS ACTIVITIES	Serve as Conference/Journal Reviewer I serve(d) as a reviewer for top-tier computer science conferences/journals: <ul style="list-style-type: none">▪ Conferences: ACM SIGKDD, IEEE ICDM▪ Journals: IEEE TKDE, IEEE Trans. on Cybernetics, Elsevier Neurocomputing	
	Serve as Conference Volunteer <ul style="list-style-type: none">▪ Conferences: ACM SIGIR 2020 (for conference publicity)	
	Serve as Student Representative <ul style="list-style-type: none">▪ I served my class as one of two representatives and was responsible for organizing student activities.	
MISCELLANEOUS	<ul style="list-style-type: none">▪ I also run an account on Zhihu, where I have 1,500+ followers and 260,000+ reads.▪ <i>Mandarin</i>: native speaker; <i>English</i>: fluent (IELTS:7.0 (2017) TOFEL:109 (2021))	

[CV compiled on 2021-12-13]