

EDUCATION	SCHOOL	DEGREE	COUNTRY	PERIOD
	School of Computer Science, University of Sydney		Sydney, Australia	
	<i>Ph.D., Computer Science</i>			2023 - 2026 (expected)
	• Advisors: Chang Xu & Daochang Liu			
	• Research area: Uncertainty Calibration, Machine Learning			
	School of Computer Science, University of Sydney		Sydney, Australia	
	<i>M.Phil., Computer Science</i>			2021 - 2023
	• Advisors: Chang Xu & Lijun chang			
	• Research area: Uncertainty Calibration, Neural Architecture Search			
	School of Computer Science, University of Sydney		Sydney, Australia	
	<i>M.E., Data Science</i>			2020 - 2021
	Huazhong University of Science and Technology		Wuhan, China	
	<i>B.E., Communication Engineering</i>			2013 - 2017
	• Received Science and Technology Scholarship			
PUBLICATIONS	1.	Haoyang Luo, Linwei Tao, Minjing Dong, Chang Xu. Beyond One-Hot Labels: Semantic Mixing for Model Calibration. <i>International Conference on Machine Learning, ICML 2025</i> .		
	2.	Jinxu Lin, Linwei Tao, Minjing Dong, Chang Xu. Uncertainty Weighted Gradients for Model Calibration. <i>The IEEE / CVF Computer Vision and Pattern Recognition Conference, CVPR 2025</i> .		
	3.	Jinxu Lin, Linwei Tao, Minjing Dong, Chang Xu. Diffusion Attribution Score: Evaluating Training Data Influence in Diffusion Model. <i>International Conference on Learning Representations, ICLR 2025</i> . (Spotlight, 5.1% of 11,500 submissions)		
	4.	Linwei Tao, Minjing Dong, Chang Xu. Feature Clipping for Uncertainty Calibration. <i>AAAI Conference on Artificial Intelligence, AAAI 2025</i> .		
	5.	Lei Pan, Wuyang Luan, Yuan Zheng, Junhui Li, Linwei Tao, Chang Xu. GraphFusion: Integrating Multi-Level Semantic Information with Graph Computing for Enhanced 3D Instance Segmentation. <i>Neurocomputing</i> , 2024.		
	6.	Linwei Tao, Younan Zhu, Haolan Guo, Minjing Dong, Chang Xu. A Benchmark Study on Calibration. <i>International Conference on Learning Representations, ICLR 2024</i> .		
	7.	Linwei Tao, Minjing Dong, Chang Xu. Dual Focal Loss for Calibration. <i>International Conference on Machine Learning, ICML 2023</i> .		
	8.	Linwei Tao, Minjing Dong, Daochang Liu, Changming Sun, Chang Xu. Calibrating a Deep Neural Network with Its Predecessors. <i>International Joint Conference on Artificial Intelligence, IJCAI 2023</i> .		
	9.	Linwei Tao, Yi-Fan Yeh, Minjing Dong, Tao Huang, Philip Torr, Chang Xu. Revisiting Uncertainty Estimation and Calibration of Large Language Models. <i>Conference on Neural Information Processing Systems, NeurIPS 2025</i> Scaling Environments for Agents (SEA) Workshop		
	10.	Yingqing Yuan, Linwei Tao, Haohui Lu, Matloob Khushi, Imran Razzak, Mark Dras, Jian Yang, Usman Naseem. KG-UQ: Knowledge Graph-Based Uncertainty Quantification for Long Text in Large Language Models. <i>International World Wide Web Conference, WWW 2025</i> Workshop on Sustainable AI for the Future Web		

PREPRINTS

1. Linwei Tao, Yi-Fan Yeh, Bo Kai, Minjing Dong, Tao Huang, Tom A. Lamb, Jialin Yu, Philip H.S. Torr, Chang Xu. Can Large Language Models Express Uncertainty Like Human?
2. Haolan Guo, Linwei Tao, Haoyang Luo, Minjing Dong, Chang Xu. Sample Margin-Aware Recalibration of Temperature Scaling
3. Xiaoyang Li, Linwei Tao, Haohui Lu, Minjing Dong, Junbin Gao, Chang Xu. Calibrating Graph Neural Networks with Wavelet-Aware Temperature Scaling
4. Linwei Tao, Haolan Guo, Minjing Dong, Chang Xu. Consistency Calibration: Improving Uncertainty Calibration via Consistency among Perturbed Neighbors.
5. Yunke Wang, Linwei Tao, Bo Du, Yutian Lin, Chang Xu. Visual Imitation Learning with Calibrated Contrastive Representation.
6. Younan Zhu, Linwei Tao, Minjing Dong, Chang Xu. Attention Calibration for Reducing Hallucination in Large Vision-Language Models.

EXPERIENCES

Research Scientist Intern Google, Sydney	2025.11 - 2026.02
Teaching Assistant University of Sydney, Sydney	2022 - now
• COMP5329 Deep Learning	Spring 2022, 2023, 2024, 2025
• COMP5318 Machine Learning and Data Mining	Fall 2025
• HTIN5005 Applied Healthcare Data Science	Fall 2022, 2023
• OCMP5329 Deep Learning (Online)	Fall 2024, 2025
• BUSS6002 Data Science in Business	Spring 2024, 2025 Fall 2024, 2025
• QBUS5010 Intro to Dashboarding and Data Visualisation	Fall 2024, 2025
Construction Supervisor Songjiang Construction Union, Shanghai	2017.07 - 2019.10
IOS Developer Intern Trip.com, Shanghai	2015.06 - 2015.09
Frontend Developer Intern Sunallies, Shanghai	2014.06 - 2014.09

**AWARDS
AND
GRANTS**

- AAAI 2026 Student Committee, AAAI 2025.06
- Google Cloud Research Credits Award (\$2340 AUD), Google 2024.05
- International Tuition Fee Scholarship, USYD 2023.06
- Faculty of Engineering Research Support Scholarship, USYD 2023.05
- Excellent Student Cadre, HUST, 2015.09
- Science and Technology Scholarship, HUST 2014.06

TALKS

- “ITCD: Image to Text Translation for Classification by Diffusion Models”, at Efficiency, Security, and Generalization of Multimedia Foundation Models Workshop @ ACM Multimedia 2024 2024.10
- “Dual Focal Loss for Calibration”, at AI-Time 2023.05
- “Calibrating a Deep Neural Network with Its Predecessors”, at University of Sydney, Deep Learning class 2023.02

**ACADEMIC
SERVICES**

- Conference Reviewer:** ICML, NeuIPS, ICLR, CVPR, ICCV, AAAI, IJCAI, ACMMM, AISTATS
- Journal Reviewer:** T-MM, TMLR, DAMI, TPAMI, Machine Learning