BINGYIN ZHAO

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ABOUT ME

▷ 7+ years AI researcher and engineer with first-author papers in CVPR, ICCV, AAAI
▷ Proficient coding in Python and PyTorch, familiar with Numpy, Scikit-learn, Pandas, Docker, Git, LaTeX
▷ Experience designing and training neural networks in fast-paced teams
▷ Solid knowledge in Generative AI, Trustworthy AI, Computer Vision and Deep Learning
▷ Research interests in Generative AI, Foundation Models, and AI safety

EXPERIENCE

Meitu Inc. *Singapore*
Applied Scientist Jun. 2025 – Now

- Research on motion-based video generation and editing (e.g., animation, in-video motion editing).
- Design and development of data pipeline and automatic framework for large-scale motion-based videos pre-processing.
- Designed and implemented Meitu's **first** product-level animation model and delivered the function of "Dance Machine" in RoboNeo.

National University of Singapore *Singapore*
Research Fellow Oct. 2024 – Jun. 2025

- Research on synthetic tabular data generation and the security of generative models.
- Designed and implemented the first-generation conditional time-series tabular generative model for the start-up company Betterdata.

NVIDIA *Santa Clara, CA, USA*
Deep Learning Software and Research Intern (AV Perception) May. 2022 – Feb. 2023

- Research on zero-shot robustness of ViT-based neural networks against natural corruptions such as weather conditions and natural adversarial examples.
- Published an ICCV paper and filed one US patent.
- **Received a full-time offer as a Senior Systems Software Engineer but could not return to the US due to an unexpected visa issue.**

EDUCATION

CLEMSON UNIVERSITY *Clemson, SC, USA*
Ph.D. in Electrical and Computer Engineering GPA: 4.0

ROCHESTER INSTITUTE OF TECHNOLOGY *Rochester, NY, USA*
Master of Science in Electrical Engineering

EAST CHINA UNIVERSITY OF SCIENCE AND TECHNOLOGY *Shanghai, China*
Bachelor of Science in Electrical Engineering

SELECTED PUBLICATIONS

R. Chu, **B. Zhao**, *H. Jiang, S. Aeron and Y. Lao,* **BAM-ICL: Causal Hijacking In-Context Learning with Budgeted Adversarial Manipulation**
2025 Conference on Neural Information Processing Systems (NeurIPS)

Y. Han,* **B. Zhao***, *R. Chu, F. Luo, B. Sikdar and Y. Lao,* **UIBDiffusion: Universal Imperceptible Backdoor Attack for Diffusion Models**
2025 IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) (Selected as highlight = 3%)

B. Zhao, *Z. Yu, S. Lan, Y. Cheng, A. Anandkumar, Y. Lao and J. Alvarez,* **Fully Attentional Networks with Self-emerging Token Labeling**
2023 IEEE/CVF International Conference on Computer Vision (ICCV)

B. Zhao *and Y. Lao,* **CLPA: Clean-Label Poisoning Availability Attacks Using Generative Adversarial Nets**
Thirty-Sixth AAAI Conference on Artificial Intelligence (AAAI) (Acceptance Rate = 15%)

B. Zhao, *L. Qiu and Y. Lao,* **Data-Driven Feature Selection Framework for Approximate Circuit Design**
IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems (TCAD)

PATENT

B. Zhao, *J. Alvarez, A. Anandkumar, S. Lan, Z. Yu,* **Fully Attentional Networks with Self-emerging Token Labeling**
US Patent App. 18/542,423