

# Zheng Zhou — Curriculum Vitae

🐙 [github.com/zhouzhengqd](https://github.com/zhouzhengqd) 🌐 [zhouzhengqd.github.io](https://zhouzhengqd.github.io)

✉ [zhengzhou@buaa.edu.cn](mailto:zhengzhou@buaa.edu.cn) ☎ (+86) 15610035199

## RESEARCH INTEREST

My research interest lies in exploring the latent properties of neural networks and their connection with the mechanisms of the brain in the future. I aim to investigate the properties from three aspects:

- AI Security & Privacy
- Data-efficient Machine Learning
- Distributed Machine Learning

## EDUCATION

### Beihang University

*Ph.D. in Electronic Engineering*

Advisor: Prof. Hongbo Zhao & Prof. Wenquan Feng

Beijing, China

September 2023 - Now

### Shandong University

*M.Eng. in Electronic Engineering*

Advisor: Prof. Ju Liu

Qingdao, China

September 2020 - June 2023

### Technical University of Ilmenau

*Visiting Student in Electronic Information Engineering*

Thuerigen, Germany

September 2016 - October 2018

### Qingdao University of Science and Technology

*B.Eng. in Mechanical Engineering and Automation*

Qingdao, China

September 2012 - June 2016

## AWARDS & HONORS

### Oral

*The Thirteenth International Conference on Swarm Intelligence (ICSI), 2022*

### Silver Award

*ASCEND Competition for Re-ID, 2023*

## WORK EXPERIENCE

### Haier Group Corporation

2018 - 2023

– Open Innovation Platform & GE Appliance Development Division

– Embedded Software Engineer

- As a technical leader, organized and completed multiple projects in the home appliance sector, including sweeping robots, mopping robots, and water heaters.
- Took responsibility for Edge AI applications in the home appliance industry, such as food detection, speech recognition, and defect detection.
- Conducted daily planning sessions and code reviews with team members.

## CONFERENCE PAPERS

### C1 Adversarial Examples Are Closely Relevant to Neural Network Models - A Preliminary Experiment Explore

Zhou, Zheng and Liu, Ju and Han, Yanyang

*Advances in Swarm Intelligence. International Conference on Swarm Intelligence, ICSI. Lecture Notes in Computer Science, vol 13345. Springer, Cham., 2022.*

- M1 **MVPatch: More Vivid Patch for Adversarial Camouflaged Attacks on Object Detectors in the Physical World**  
**Zhou, Zheng** and Zhao, Hongbo and Liu, Ju and Zhang, Qiaosheng and Geng, Liwei and Lyu, Shuchang and Feng, Wenquan  
*arXiv preprint arXiv:2312.17431*, 2023.  
*Submitted to IEEE Transactions on Image Processing - Under review*
- M2 **BACON: Bridging Theory and Practice in Bayesian Optimal Condensation for Dataset Distillation**  
**Zhou, Zheng** and Zhao, Hongbo and Feng, Wenquan  
*arXiv preprint arXiv:2406.01112*, 2024.