

Yifei Wang

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Education

2021 – 2025 **Peking University**, Beijing, China

B.S. in Artificial Intelligence (Honored Program), Yuanpei College

GPA: 3.702

Selected Courses: Introduction to Stochastic Calculus; Convex Optimization; Generative Models; Computer Network(Honor Track);

Experience

2024.8 – Now **Secure AI Lab**, Led by Prof. Meng Li, Peking University.

This project focuses on accelerating large language model inference under secure multi-party computation. We implement LoRA on Llama to enhance the computational efficiency.

2023.6 – Now **Computational Imaging Lab**, Led by Prof. He Sun, Peking University.

My research here focuses on how to solve inverse problems where only noisy observations are available. We use amortized inference and expectation maximization algorithm to iteratively learn a clean diffusion model that can serve as the data prior.

Publications

In Submission **Yifei Wang**, Weimin Bai, Weijian Luo, Wenzheng Chen and He Sun. Integrating Amortized Inference with Diffusion Models for Learning Clean Distribution from Corrupted Images.

NeurIPS 2024 Weimin Bai, **Yifei Wang**, Wenzheng Chen and He Sun. An Expectation-Maximization Algorithm for Training Clean Diffusion Models from Corrupted Observations.

Skills

Programming Proficiency in Python, C++, C, PyTorch, \LaTeX ; Familiar with CUDA.

Extracurricular Jogging, marathon, blogger.

Language TOEFL: 106 (Reading: 28; Listening: 29; Speaking: 23; Writing:26), CET6: 650.

Awards

2024 Academic Excellence Award.

2021 Scholarship for Freshman Students: 1st prize.

2021 National College Entrance Examination(Beijing): Top 20.