

Yifei Wang

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Education

Peking University

B.S. in Artificial Intelligence, Yuanpei College (honored program)

Beijing, China

09/2021 – Present

- **Courses:**

Math: Advanced Mathematics; Linear Algebra; Probability and Statistics; Discrete Mathematics and Structures;

AI: Introduction to Artificial Intelligence; Introduction to Computer Vision; Machine Learning; Deep Learning in Natural Language Processing;

Computer Science: Introduction to Computer System; The Practice of C++ Programming; Data structure and Algorithm Analysis;

- **Academic Performance:**

GPA: 3.664/4.0 (top 25% in school of EECS)

Research Experience

Directed Research in AI System

06/2022 – 09/2022

led by Prof. Yun Ma

Peking University

- This is a class designed for students in Tong Class, which helps them acquire basic skills for doing research. The project I worked on aims to classify apps based on their description in the app store and develop a tool which can find out malwares based on a snapshot of app store. Through this program, I learned how to use huggingface and acquired some basic knowledge about LLMs such as bert, roberta, etc.

Diffusion with forward models to solve inverse problems

07/2023 – present

led by Prof. He Sun

Peking University

- The project aims to solve inverse problem through amortized variational inference. We trained diffusion model and flow model through a combined loss function on noisy data and sampled clean images from the model we have learned. Furthermore, we improved our model's performance through finetuning with a few clean images.

Awards & Honors

Scholarship for Freshman Students: 1st prize

12/2021

Peking University

Skills

Programming Skills: Proficiency in Python, C++, Pytorch; Familiar with C, LaTeX

Extracurricular : Jogging, marathon.

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