

Guian Fang

DEEP LEARNING · COMPUTER VISION

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Education

SYSU(Sun Yat-sen University)

Shenzhen, China

B.E. IN INTELLIGENT SCIENCE AND TECHNOLOGY

Sept. 2020 - Jul. 2024

- Led as **Student Council and Intelligent Technology Association President**, organized multiple algorithm programming competitions.
- GPA: **3.7/4.0**, achieved outstanding academic performance, ranking **1st** in the last two semesters respectively.
Also secured top positions in multiple key courses.
- Supervisor: **Xiaodan Liang** (HCP-I2 Lab SYSU)

Skills

| | |
|--------------------|--|
| Frameworks | PyTorch, TensorFlow, Keras, scikit-learn, Mindspore, PaddlePaddle |
| Programming | Python, C/C++, Matlab, LaTeX, HTML |
| Languages | Chinese, English |
| DevTool | Git (version control system), Linux (operating system), Docker (containerization tool), Spack (package management tool), Slurm (cluster management and job scheduling system) |

Experience

Fine-tuning large language models & Controllable image generation.

Shanghai AI Laboratory

MAIN PARTICIPANT

Jul. 2023 - Current

- LLaMA-Adapter(4.7k stars)**, **LLaMA2-Accessory(1.4k stars)**

Enhancing Generative AI Models for 2D or 3D Using RLHF.

HUAWEI | NOAH'S ARK LAB

PRIMARY AUTHOR

Mar. 2023 - Jul. 2023

- Boosting Text-to-Image Diffusion Models with Fine-Grained Semantic Rewards.(**under review**)

National Undergraduate Innovation and Entrepreneurship Training Program.

Sun Yat-sen University

PRINCIPAL INVESTIGATOR

Jun. 2021 - Mar. 2023

- Online Evidence Enhanced and Fine-Grained Fake News Detection in Long Text During the COVID-19 Pandemic.(**under submission**)
- Alzheimer's disease diagnosis based on multimodal data including images, voiceprints, poses and biomarkers.(**under submission**)

Honors & Awards

INTERNATIONAL

2022 **2nd Place**, Asia and Pacific Mathematical Contest in Modeling

Beijing, China

DOMESTIC

2022 **Silver Medal**, China Collegiate Algorithm Design & Programming Challenge Contest

Shanghai, China

2022 **2nd Place**, The 2022 Social Computing Innovation Competition

Hangzhou, China

2023 **1st Place**, 4th National College Computer Ability Challenge

Shenzhen, China

SCHOLARSHIP

2022 **1st Place**, SYSU Outstanding Student Scholarship

Shenzhen, China

Publication

- Guian Fang**, Zutao Jiang, Jianhua Han, Guansong Lu, Hang Xu, & Xiaodan Liang. (2023). Boosting Text-to-Image Diffusion Models with Fine-Grained Semantic Rewards. (**NIPS**)
- Ziyang Ma, Mengsha Liu, **Guian Fang**, & Ying Shen. (2023). LTCR: Long-Text Chinese Rumor Detection Dataset. (**NCAA**)