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(4.6k stars)**, **LLaMA2-Accessory(1.3k 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)**