Guian **Fang**

GENERATIVE AI · AI ALIGNMENT

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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.
- Supervisor: **Xiaodan Liang** (HCP-I2 Lab SYSU)

Skills

Frameworks	PyTorch, TensorFlow, Keras, scikit-learn, Mindspore, PaddlePaddle
Programming	Python, C/C++, Matlab, LaTeX, Web (HTML, CSS, JavaScript)
Languages	Chinese (Mandarin, mother tongue), English (IELTS 6.5)
DevTool	Git (version control system), Linux (operating system), Docker (containerization tool), Spack (package management tool), Slurm (cluster management and job scheduling system)

Experience

Text to 3D & Multi-Agent Emotional LLM	*Tau Lab	Cybever*
RESEARCH SCIENTIST	*Sept. 2023 - Current*

† Current position, remote work.

Evaluation of text-to-video generation.	*NUS	SHOW LAB*
PRIMARY AUTHOR	*Jun. 2023 - Nov. 2023*

- Score-A-Video: Towards A Better Metric for Text-to-Video Generation(**under CVPR review**)

Moltimodel LLM & Prompt engineering.	*Alibaba	DAMO Academy*
MAIN PARTICIPANT	*Aug. 2023 - Nov. 2023*

- ChartThinker: A Contextual Chain-of-Thought Approach to Optimized Chart Summarization(**under COLING review**)

Fine-tuning large language models & Controllable image generation.	*Shanghai AI Laboratory*
MAIN PARTICIPANT	*Jul. 2023 - Nov. 2023*

- **LLaMA-Adapter(5.2k stars)**, **LLaMA2-Accessory(1.9k stars)**
- Improving Compositional Text-to-image Generation with Large Vision-Language Models(**under ICLR review**)
- FocusDiff: Foreground Self-Decoupling Customization for Text-to-Image Generation(**under CVPR review**)

Enhancing Generative AI Models for 2D or 3D Using RLHF.	*HUAWEI	NOAH'S ARK LAB*
PRIMARY AUTHOR	*Mar. 2023 - Nov. 2023*

- RealignDiff: Boosting Text-to-Image Diffusion Model with Coarse-to-fine Semantic Re-alignment(**under CVPR review**)
- HumanRefiner: Benchmarking Abnormal Human Generation and Refining with Coarse-to-fine Pose-Reversible Guidance(**under CVPR 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 NCAA submission**)
- Alzheimer's disease diagnosis based on multimodal data including images, voiceprints, poses and biomarkers.(**under Lancet submission**)
- IEEE UV 2022 Paper Publication: Wise in Vaccine Allocation

Honors & Awards

COMPETITION

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

2023	**1st Place**, SYSU Outstanding Student Scholarship (Top **5%**)	*Shenzhen, China*
2023	**1st Place**, National Scholarship (Rank **1st**)	*Shenzhen, China*
2023	**1st Place**, Li Xuerou Foundation Scholarship (Among the top **10** students in the college)	*Shenzhen, China*