Guian **Fang**

DEEP LEARNING · COMPUTER VISION

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"Think Twice, Code Once."

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 6th and 1st in the last two semesters respectively. Also secured top positions in multiple key courses.
- Supervisor: **Xiaodan Liang**

Skills

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

Experience

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.(**work in progress**)

2D-3D AIGC+RLHF.   *HUAWEI | NOAH'S ARK LAB*

PRIMARY AUTHOR   *Mar. 2023 - Current*

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

Collaborative project on multimodal image generation research.   *Samsung Telecom R&D Center*

MAIN PARTICIPANT   *Mar. 2023 - Current*

- MultiModal 3D Shape Generation Algorithm.(**work in progress**)

Honors & Awards

INTERNATIONAL

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

DOMESTIC

2021	**1st Place**, "Smart Campus" Hackathon competition		*Guangzhou, China*
2021	**3rd Place**, National College Students Mathematical Modeling Competition (Huashu Cup)		*Tianjin, China*
2022	**Silver Prize**, Intelligent Algorithm Competition of the Game Cup		*Shenzhen, China*
2022	**3rd Place**, 3rd National College Computer Ability Challenge		*Shenzhen, 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

2021	**Recipient**, Ethic Award scholarship		*Shenzhen, China*
2022	**Recipient**, Huawei Intelligent Foundation Scholarship		*Shenzhen, China*
2022	**Recipient**, National Encouragement scholarship		*Shenzhen, China*
2022	**1st Place**, Outstanding Student Scholarship		*Shenzhen, China*