Shawn Yuxuan Tong

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GitHub: https://github.com/tongyx361

EDUCATION EXPERIENCE

Department of Computer Science and Technology, Tsinghua University   2021.09 - Present

Bachelor's degree in progress

· **GPA: 3.88/4.00 (Rank: top 25%)**

PUBLICATIONS

ImageReward: Learning and Evaluating Human Preferences for Text-to-Image Generation

*Submiited to **NeurIPS 2023** (Preprint accessible at arXiv)*

Jiazheng Xu*, Xiao Liu*, Yuchen Wu, **Yuxuan Tong**, Qinkai Li, Ming Ding, Jie Tang, Yuxiao Dong

- Wrote **PyTorch training pipeline** to fine-tune the model on a node with 8xA100;
- **Evaluated** trained **models** on multiple **datasets collected from HuggingFace Hub, GitHub, etc.**;
- Performed **statistical analysis and visualization** of metric data obtained on benchmarks;
- Developed the project **Gradio demo** and extensions that can be integrated into the Stable Diffussion Web UI , then kept **maintaining the documentation and dealing with related issues** in the project GitHub Repo.;
- **Organized the reproduction code** of some experiments;
- Participated in the process design and quality check of **large-scale human feedback data annotation** work;
- Contributed some parts in **paper writing**.

PROJECTS

Contributor and Maintainer of GitHub Repo. THUDM/ImageReward   2023.03 - Present

HONORS

- Tsinghua University *Comprehensive Merit Scholarship* (**top 5% undergraduates**)   Fall 2022
- Project *Multi-Dimensional Evaluation Model and Benchmark in Text-to-Image Tasks* admitted as **A-Level(less than 25%)** in *Academic Research Promotion Program for Undergraduates in Tsinghua University*

RESEARCH EXPERIENCE

Knowledge Engineer Group @ Tsinghua University   2022.11 - 2023.05

Research Intern

SKILLS

- Proficient in **Python, C++, C**, etc.
- Familiar with Machine Learning Libraries, such as **Hugging Face, PyTorch**, etc.
- Skilled at **Git, Linux shell**, etc.
- Equipped with basic **theoretical knowledge** about machine learning