

Yan Ma

(+86) 152-6982-9096 • yanma23@m.fudan.edu.cn • Homepage

EDUCATION

- **Fudan University** Shanghai, China
Ph.D. Student in Computer Science Sep. 2023 – Now
- **Fudan University** Shanghai, China
M.S. in Computer Application Technology (postgraduate recommendation) Sep. 2020 – Jun. 2023
- **Dalian University of Technology** Dalian, China
B.Eng. in Computer Science and Technology; GPA: 4.076/5; Rank: 12/123 Sep. 2016 – Jun. 2020

RESEARCH INTERESTS

I have a broad interest in creating and generating virtual content. Currently, my primary research interests lie in **language model-driven storytelling**, including: 1) High-quality and diverse long text-based narratives, 2) Vision-text consistent multi-modal storytelling, 3) Video storytelling / Physically-aware world model.

PROJECTS

- **RL Plot: Reinforcement Learning Plot Library** [[🔗 link](#)] (☆ 20+)
 - An highly encapsulated RL plot library, including basic error bar lineplot and a wrapper to *riable*.
- **Awesome-Story-Generation** [[🔗 link](#)] (☆ 180+)
 - An extensive list of awesome papers about Story Generation / Storytelling, primarily focusing on the era of Large Language Models (LLMs).
- **Dotfiles: Configuration files for Linux** [[🔗 link](#)]
 - My linux configuration dotfiles (including neovim/astronvim, tmux, bash, jupyter, etc).

PUBLICATIONS

- **MoPS: Modular Story Premise Synthesis for Open-Ended Automatic Story Generation**
Annual Meeting of the Association for Computational Linguistics (ACL), 2024
[Yan Ma](#), Yu Qiao, Pengfei Liu
 - We introduce Modular Story Premise Synthesis (MoPS), a method that modularizes and automates the generation of diverse, high-quality story premises, improving the quality of subsequent novels and scripts.
- **Open-Ended Diverse Solution Discovery with Regulated Behavior Patterns for Cross-Domain Adaptation** [[PDF](#)]
Association for the Advancement of Artificial Intelligence (AAAI) 2023
Kang Xu, [Yan Ma](#), Bingsheng Wei, Wei Li
 - Focus on regulated diverse behavior pattern discovery in Diversity-driven Reinforcement Learning, which can facilitate cross-domain adaptation.
- **Evolutionary Action Selection for Gradient based Policy Learning** [[PDF](#)]
International Conference on Neural Information Processing (ICONIP) 2022 (Oral)
[Yan Ma](#), Tianxing Liu, Bingsheng Wei, Yi Liu, Kang Xu, Wei Li
 - Focus on inefficiency and brittleness in Evolutionary Reinforcement Learning (ERL) due to the utilization of Evolutionary Algorithms (EA) to optimize high-dimensional parameter space of policy network.

HONORS AND AWARDS

- Fudan University Master's Academic Excellence Scholarship 2022
- Fudan University Master's Academic Excellence Scholarship 2021
- Dalian University of Technology Outstanding Graduates 2020

PROGRAMMING SKILLS

- **Languages:** Python, Bash, Markdown, Latex **Technologies:** Pytorch, Jax, DeepSpeed, NeoVim, Tmux, Git