

YI GU

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🎓 EDUCATION

University of California, San Diego

Sept. 2022 – Present

Ph.D. student in Data Science, Halıcıoğlu Data Science Institute, anticipated Spring 2027

Advisor: Prof. Zhiting Hu

Shanghai Jiao Tong University

Sept. 2018 – June 2022

Bachelor of Engineering in Computer Science and Technology

- Member of ACM Class, an elite CS program for top 5% talented students.
- GPA: All 3.94 / 4.3, ranked 4 / 32; Core 3.96 / 4.3, ranked 2 / 32.

🔍 RESEARCH INTERESTS

My research interest is in the intersection of machine learning, natural language processing and robotics.

I am currently working on topics between large language model reasoning and agents, especially in enhancing the power of large language model with world models, including multi-modal interactions, embodied environments, and even the language model itself as a simulator.

📄 PUBLICATIONS

Reasoning with Language Model is Planning with World Model

Shibo Hao*, **Yi Gu***, Haodi Ma, Joshua Jiahua Hong, Zhen Wang, Daisy Zhe Wang, Zhiting Hu
EMNLP 2023

Language Models Meet World Models: Embodied Experiences Enhance Language Models

Jiannan Xiang*, Tianhua Tao*, **Yi Gu**, Tianmin Shu, Zirui Wang, Zichao Yang, Zhiting Hu
NeurIPS 2023

JECC: Commonsense Reasoning Tasks Derived from Interactive Fictions

Mo Yu*, **Yi Gu***, Xiaoxiao Guo, Yufei Feng, Xiaodan Zhu, Michael Greenspan, Murray Campbell, Chuang Gan
Findings of ACL 2023

Revisiting the Roles of “Text” in Text Games

Yi Gu*, Shunyu Yao*, Chuang Gan, Joshua B. Tenenbaum, Mo Yu
Findings of EMNLP 2022

Finding Fallen Objects Via Asynchronous Audio-Visual Integration

Chuang Gan*, **Yi Gu***, Siyuan Zhou, Jeremy Schwartz, Seth Alter, James Traer, Dan Gutfreund, Joshua Tenenbaum, Josh McDermott and Antonio Torralba
CVPR 2022

👥 OTHER EXPERIENCE

International Collegiate Programming Contest (ICPC)

June 2018 – Oct. 2021

Member of SJTU ICPC Team “Platelet” Coach: Prof. Yong Yu

Leader of SJTU ICPC Team “Aerial Ace” Coach: Prof. Yong Yu

Co-coach of SJTU ICPC 2020-21 Teams Coach: Prof. Yong Yu

- Participate in China Collegiate Programming Contest (CCPC) and International Collegiate Programming Contest (ICPC), as a team member in 2018, as a team leader in 2019, and as a co-coach in 2020-21.
- Winning the championship in ICPC 2018 Singapore Site (see “Honors and Awards” section for full list).

🏆 HONORS AND AWARDS

Champion, ICPC 2018 Singapore Site	Dec. 2018
<i>Gold Medal</i> , CCPC 2018 Guilin Site, ranked 15th	Oct. 2018
<i>Gold Medal</i> , CCPC 2019 Xiamen Site, ranked 8th	Oct. 2019
<i>Gold Medal</i> , ICPC 2019 Xuzhou Site, ranked 4th	Nov. 2019
National Scholarship of P.R. China (Top 0.2% nationwide), Ministry of Education of P.R. China	2021
<i>Zhiyuan Outstanding Student Scholarship</i> , SJTU	2022
<i>Rong Chang Scholarship in Technological Innovation</i> (2 times) (20 winners each year), SJTU	2019, 2020
<i>Zhiyuan Honorary Scholarship</i> (3 times)	2019, 2020, 2021

⚙️ SKILLS

Programming Languages: Python = Kotlin = Java > C/C++ = HTML = Javascript
Frontend: Android > Web
Languages: English - Fluent, Chinese - Native speaker