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, especially in designing embodied AI with grounded perception.
I am currently working on topics between language models and interactions.

📄 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
Preprint

Language Models Meet World Models: Embodied Experiences Enhance Language Models
Jiannan Xiang*, Tianhua Tao*, **Yi Gu**, Tianmin Shu, Zirui Wang, Zichao Yang, Zhiting Hu
Preprint

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
EMNLP 2022 Findings

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 – Dec 2019

Member of SJTU ICPC Team "Platelet"   Coach: Prof. Yong Yu
Leader of SJTU ICPC Team "Aerial Ace"   Coach: Prof. Yong Yu

- Participate in China Collegiate Programming Contest (CCPC) and International Collegiate Programming Contest (ICPC)
- Prepare team reference material for contests
- Winning the championship in ICPC 2018 Singapore Site (see "Honors and Awards" section for full list)

ICPC Coach   June 2020 – Oct. 2021

Co-coach of SJTU ICPC Team   Coach: Prof. Yong Yu

🏆 Honors and Awards

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

⚙️ Skills

Programming Languages: Python = Kotlin = Java > C/C++ = HTML = Javascript
Deep Learning Packages: PyTorch, TensorFlow
Frontend: Android
Languages: English - Fluent, Chinese - Native speaker