

YI GU

✉ yig025@ucsd.edu · 👤 www.yigu.page · 🌐 wu-qing-157 · 🐦 YiGu025

🎓 EDUCATION

University of California, San Diego Sept. 2022 – Present

Ph.D. student in Data Science, Halıcıoğlu Data Science Institute, anticipated 06/2027

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 explicit world modeling, multi-modal interactions and embodied environments. I am also interested in large language model pretraining and relevant analysis.

👤 EXPERIENCES

Mohamed bin Zayed University of Artificial Intelligence (MBZUAI) June 2023 – Sept. 2023

Visiting Student Advisor: Prof. Eric P. Xing

MIT-IBM Watson AI Lab Jan. 2021 – Jan. 2022

Remote Research Intern Advisor: Dr. Chuang Gan and Prof. Joshua B. Tenenbaum

📄 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

LLM360: Towards Fully Transparent Open-Source LLMs

Zhengzhong Liu, Aurick Qiao, Willie Neiswanger, Hongyi Wang, Bowen Tan, Tianhua Tao, Junbo Li, Yuqi Wang, Suqi Sun, Omkar Pangarkar, Richard Fan, Yi Gu, Victor Miller, Yonghao Zhuang, Guowei He, Haonan Li, Fajri Koto, Liping Tang, Nikhil Ranjan, Zhiqiang Shen, Xuguang Ren, Roberto Iriondo, Cun Mu, Zhiting Hu, Mark Schulze, Preslav Nakov, Tim Baldwin, Eric P. Xing
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
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

🏆 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