JIALIANG GU

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🎓 EDUCATION

George Mason University, Fairfax, VA, USA   2025 – Present
Ph.D. Student in Computer Science, Advisor: Prof. Keren Zhou

Wuhan University, Wuhan, China   2021 – 2025
Undergraduate Computer Science（Hongyi Honor College
 Overall GPA: 3.72/4.0

📖 PUBLICATIONS

- **A Systematic Study of Time Limit Exceeded Errors in Online Programming Assignments**
  Jialu Zhang*, **Jialiang Gu***, Wangmeiyu Zhang, José Pablo Cambronero, John Kolesar, Ruzica Piskac, Daming Li, Hanyuan Shi
  arXiv:2510.14339 [cs.SE], 2025.

- **DiscoSum: Discourse-aware News Summarization**
  Jia-Liang Gu*, Tenghao Huang*, Alexander Spangher*, Jiatong Shi, Muhao Chen
  submitted to ACL, 2026.

👥 EXPERIENCE

Research Assistant University of Waterloo   2023–2025

Study on Time Limit Exceeded Errors Characteristics in Competitive Programming
Advisor Jialu Zhang

Research Intern University of California,Davis   2024.7–2024.9
Structural Summarization with Large Language Models
Advisor Muhao Chen

♡ ACADEMIC COMPETITION AWARDS

Champion, 2024 ICPC China Hubei Provincial Contest（WuHan）🏆   May,2024
Gold Medal, International Collegiate Programming Contest(ACM-ICPC) Hangzhou Regional Contest Dec,2023
Bronze Medal, International Collegiate Programming Contest(ACM-ICPC) EC(East Asia)-Final   Jan,2024
Silver Medal, International Collegiate Programming Contest(ACM-ICPC) Macau Regional Contest Nov,2023
Silver Medal, International Collegiate Programming Contest(ACM-ICPC) Xi'an Regional Contest   Nov,2022
Silver Medal, International Collegiate Programming Contest(ACM-ICPC) Nanjing Regional Contest Nov,2022
Gold Medal, 2023 ICPC China Shaanxi National Invitational Programming Contest（Xi'an）   May,2023
Gold Medal, 2023 CCPC China Hunan National Invitational Programming Contest（Xiangtan）   May,2023
Silver Medal, The 9th China Collegiate Programming Contest（Shenzhen）   Nov,2023
Silver Medal, The 8th China Collegiate Programming Contest（Weihai）   Nov,2022
First prize, 2023 RAICOM Robotics Challenge national finals   Aug,2023
Third Prize, The 2nd CCF Siannan Cup Quantum Computing Challenge   Aug,2023
Other awards   2021-2023

❤ HONORS AND EXPERIENCE AT SCHOOL

Excellent teaching assistant, Computer composition and design, School of Computer Science, Wuhan University   Jan,2024
Excellent Student, Hongyi Honorable Collage, Wuhan University(Top 15 %)   Jan,2024
CCF Excellent Student,CCF National Outstanding College Student award   Oct,2024

Assistant Head Teacher, Hongyi Honorable Collage, Wuhan University   2022-2023

⚙ SKILLS

- Programming Language: C/C++ > python
- Platform: windows > macos > linux
- Other: verilog，pytorch
- China Computer Federation Certificated Software Professional(CCF-CSP) 470/500(Top 0.1 %)

👥 PROJECTS

32-bit pipeline CPU based on Risc-V Wuhan   Jul,2023

Verilog Personal project

- verilog was used to implement 32 basic Risc-V instructions
- The risc-v sample program compiled in C++ was successfully run
- The CPU based on our design was burned on FPGA, and the aircraft war game was successfully run

Tripo APP   Oct,2023

Test engineer，manager project of Large-scale software application design course

Tripo Travel diary APP, https://github.com/naifuliang/Tripo_backend

- A platform that allows users to upload posts to share their travel experiences
- Added GPT interface to support automatic copy summary generation
- Support AI recommendation, bring real-time hot spot sharing for users

ℹ OTHERS

- codeforces homepage: https://codeforces.com/profile/gujialiang123
- Language: English - (CET4 562)