

Yufan Dang

[phone: 15339297091] | [email: dangyf2003@gmail.com] | [github: <https://github.com/NA-Wen>]

EDUCATION

Tsinghua University, Beijing, China Sep 2021 - Jun 2025(expected)

Weiyang college, Bachelor of Software and Mathematics and physics science (double major)

- **GPA:** 3.86/4.00
- **Honors:** Comprehensive Scholarship(2023), School-level Social Work Scholarship(2023), School-level Social Practice Scholarship(2022)
- **Coursework:** Fundamentals of algorithm analysis and design(A), Data structure (A-)

Affiliated High School of Northwestern Polytechnical University, Shaanxi

Sep 2015 – Jun 2021

- **College entrance ranking:** 9/370

With strong interest in deep learning and its practical application like large language model agent, I am planning to pursue a Ph.D. opportunity to further my academic journey.

RESEARCH EXPERIENCE

THUNLP Natural Language Processing Lab at Tsinghua University

Jul 2023 – Present

Research Intern

- Participating in the ChatDev project: optimizing dialogue-related mechanisms of the AI, conducting multiple testing, improving the project's frontend, and carrying out daily operational maintenance
Publication: Chen Qian, Xin Cong, Wei Liu, Cheng Yang, Weize Chen, Yusheng Su, **Yufan Dang**, Jiahao Li, Juyuan Xu, Dahai Li, Zhiyuan Liu, Maosong Sun. **Communicative Agents for Software Development**. In arXiv:2307.07924, 2023.
- Currently involved in agent-oriented co-evolution research, accumulating experience and facilitating the mutual evolution of capabilities

Development and Application of Driving Safety AI Detection System

Nov 2022 – Jun 2023

Student Research Training Program in Autonomous Department, Tsinghua University

- Focus on multimodal perception based on deep learning in self-driving
- Researched the state-of-the-art single terminal and multimodal perception network and got to know techniques about computer vision
- Used Pytorch to replicate advanced algorithms in communication-efficient collaborative perception and reproduced consistent experimental results

EXTRACURRICULAR EXPERIENCE

Student Science Association in Weiyang College, Tsinghua University

Mar 2022 - Present

- Working as the Director of Competition Events Department
- Managed a portfolio of regular events, now planning for new innovative competition events

ChunYu Development Program in Weiyang College, Tsinghua University

Apr 2023 - Present

- Elaborating on involvement in the program, with a focus on leadership related to governance or political awareness

Student Social Practice in Tsinghua University

Jan 2022 - Aug 2023

- Engaged in social practices at various locations, including Xinjiang (twice), Guangxi, and Egypt
- Received two Departmental-Level Awards and one University-Level Award, with one report featured in 'Rural Revitalization Inquiries' bibliography (as the second author)

Tsinghua Student Association of Rural Revitalization

Jul 2022 - Feb 2023

- Worked as the Vice President of External Communication
- Planned strategies and campaigns and reached out to connect with other associations for collaboration

党余凡

[phone: 15339297091] | [email: dangyf2003@gmail.com] | [github: <https://github.com/NA-Wen>]

教育背景

清华大学，北京	2021.09 - 2025.06（预计毕业时间）
未央书院，软件工程+数理基础科学（双学士学位）	
• 学分绩：3.86/4.00	
• 荣誉：综合奖学金(2023)，校设社会工作奖学金(2022)，校设实践奖学金(2022)	
• 课程：算法设计与分析基础(4.0/4.0)，数据结构(4.0/4.0)	
西北工业大学附属中学，陕西	2015.09 - 2021.06
• 本科入学排名（未央书院）：9/370	
基于对深度学习及相关应用(如大语言模型智能体)的强烈兴趣，我目前计划寻求 Ph.D 机会以进一步发展学术道路。	

研究经历

THUNLP 清华大学计算机系自然语言处理与社会人文计算实验室	2023.07 - 至今
群体智能组实习生	
• 参与 ChatDev 项目：智能体对话相关机制优化、能力边界测试、完善项目前端、大规模白盒测试、日常运营维护等工作	
参与发表论文：Chen Qian, Xin Cong, Wei Liu, Cheng Yang, Weize Chen, Yusheng Su, Yufan Dang, Jiahao Li, Juyuan Xu, Dahai Li, Zhiyuan Liu, Maosong Sun. Communicative Agents for Software Development. In arXiv:2307.07924, 2023.	
• 现参与 agent-oriented co-evolve 相关研究工作，拟通过智能体执行历程的经验定义和抽取，实现“智能体对”的经验积累和能力互进化	
驾驶安全 AI 检测系统的开发与应用	2022.11 - 2023.06
本科生科研训练计划（SRT），清华大学自动化系	
• 关注基于深度学习的多模态感知在自动驾驶上的应用	
• 调研了解单一终端/多终端的多模态感知网络 SOTA，了解 Computer Vision 的经典技术以及实现	
• 使用 Pytorch 复现通信高效协同感知算法，成功重现实验结果	

课外经历

清华大学未央书院学生科协	2022.05 - 至今
• 担任赛事部部长	
• 多次组织并协办书院科创赛事，涉及人数超 400 人次；致力推进以书院学科交叉为背景的特色赛事	
清华大学未央书院春雨计划	2023.04 - 至今
• 深入参与未央书院团委设立的面向优秀学生骨干的因材施教培养计划，关注基层治理以及领导力议题	
清华大学学生社会实践	2022.01 - 2023.08
• 多次在各地参与社会实践：新疆（两次）、广西、埃及；三次任支队负责人	
• 获得两次院系级奖项和一次校级奖项，一篇报告收录于《问道乡村振兴》书目（第二作者）	
清华大学乡村振兴协会	2022.07 - 2023.02
• 担任外联部副部长	
• 策划外宣策略以及相关活动，积极寻求与校内院系、学生组织、其他高校的合作，扩大协会影响力	