HONGXIANG ZHANG

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EDUCATION BACKGROUND

Purdue University   Augest 2025 - Present
Ph.D in Computer Science

University of California, Davis (GPA: 3.9/4.0)   Sep 2022 - June 2025
M.Eng of Science, Computer Science

Australian National University   Jul 2020 - Sep 2022
Bachelor of Engineering (Honours), Computer Science

Shandong University   Sep 2018 - Jun 2022
Bachelor of Engineering, Computer Science

PUBLICATION

[1] Self-Anchor: Large Language Model Reasoning via Step-by-step Attention Alignment
Hongxiang Zhang, Yuan Tian, Tianyi Zhang [Paper]

[2] Active Layer-Contrastive Decoding Reduces Hallucination in Large Language Model Generation
Hongxiang Zhang, Hao Chen, Muhao Chen, Tianyi Zhang [arXiv][Project][Code]
Empirical Methods in Natural Language Processing (**EMNLP 2025 Main**)

[3] SteerDiff: Steering towards Safe Text-To-Image Diffusion Model
Hongxiang Zhang, Yifeng He, Hao Chen [arXiv]

[4] LLAMAFUZZ: Large Language Model Enhanced Greybox Fuzzing
Hongxiang Zhang, Yuyang Rong, Yifeng He, Hao Chen [arXiv]

INDUSTRY EXPERIENCE

Software and Operation Engineer Intern Volkswagen, Beijing, China   Feb 2022 - Jul 2022
· Achieved data masking and auto-populated to **JIRA** log in Python.
· Intuitively analyzed and provided services and finance data to CIO with **Tableau**, helping the management level adjust the company service strategy agilely.

Quality Assurance Intern Didi Global, Beijing, China   Dec 2020 - Feb 2021
· Developed distributed Java invoice services to enable the interaction between server and end-user devices that served more than 1 million users per day.
· Achieved unit testing automation by using **JUnit** and the test case in **Redis**, reduced over 15% of the testing engineer's workload.

TECHNICAL SKILLS

Programming Languages	Python, Java, C/C++, JavaScript HTML, CSS
Software and skills	MySQL, Numpy, Pytorch, Numpy, Pandas, Azure, Linux, Testing

ACADEMIC SERVICES

Conference reviewer
2025 IEEE 43rd International Conference on Consumer Electronics (ICCE 2025)
2025 ACL Rolling Review (ARR)