

Personal Resume

Haolin Yang

Gender: Male

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Current Location: Beijing, China **Email:** harley_yang@stu.pku.edu.cn

Career Objective: Seeking an internship position in CS and AI-related role



Education Background

Sep 2023 – Present **Peking University**

School of Information Science and Technology, Department of Intelligent Science and Technology

Selected Courses: Advanced Mathematics A, Linear Algebra A, Data Structures and Algorithms A, Foundations of Discrete Mathematics, Programming Practice, Fundamentals of Artificial Intelligence, Computer Vision, etc.

Internship Experience

Jan 2025-Jul 2025 **Zhiyuan Robotics Co., Ltd. – PKU Joint Laboratory** **Research Intern**

Built a VLM-based navigation evaluation system on Habitat, including a Flask-based data collection interface, and analyzed limitations of current VLA/VLM methods and closed-source LLMs (e.g., GPT, Gemini) on navigation tasks, proposing an end-to-end embodied navigation evaluation pipeline as a foundation for follow-up work.

Aug 2025-Sep 2025 **Beijing Zhipu Huazhang Technology Co., Ltd.** **AI Application Engineer**

Developed backend services in Flask to wrap Zhipu GLM APIs and delivered two products—a Singapore visa review system and a multilingual (Chinese/English/Arabic) smartphone assistant—where the visa system reduced manual review time by over 70% and gave me end-to-end experience from model integration to deployment.

Research Experience

Jan 2025-Sep 2025 **NavSpace: How Navigation Agents follow Spatial Intelligent Instructions**

Research Assistant and Co-first Author

Worked with Prof. Hao Dong to develop NavSpace, a benchmark for navigation agents' spatial intelligence, defining six ability categories and building a Flask-based system to collect and manage over 1.2K navigation trajectories. Led benchmark evaluations on 22 models and fine-tuned LLaVA-7B to achieve SoTA results across all categories, further validating spatial generalization on a physical robot, with the paper submitted as co-first author to ICRA 2026. [<https://navspace.github.io/>] [<https://arxiv.org/abs/2510.08173>]

Honors & Awards

Sep 2023 - Jul 2024

Shenzhen Stock Exchange Scholarship

Sep 2023 - Jul 2024

Peking University Excellent Research Award

Sep 2024 - Jul 2025

Huawei Scholarship, Peking University

Sep 2024 - Jul 2025

Peking University Excellent Research Award

Professional Skills

Language Proficiency: TOEFL iBT 114 (Reading 30, Listening 30, Speaking 27, Writing 27)

Skills: C++ (proficient), Python (proficient), CUDA (familiar), Pytorch (proficient), HTML, CSS, OpenCV, Pybind, Habitat-sim, Habitat-lab, Java.