

# STATEMENT OF PURPOSE

Qingyang Zhou

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I am a junior undergraduate student at Tsinghua University, majoring in Computer Science, with a deep interest in artificial intelligence, human-computer interaction, and reinforcement learning. I am seeking an enriching summer research experience in 2025, and I believe that CHAI's work on AI alignment and safety resonates with my research interests and long-term academic goals.

I have actively engaged in several research projects, including the development of a "Curriculum Multi-Reward Reinforcement Learning for Customized Text-to-Image Generation" framework, which was submitted to AAAI 2025. This research focused on optimizing personalized image generation using reinforcement learning, and I had the opportunity to contribute both technically and conceptually. Additionally, during my internship at Tsinghua University's Multimedia and Network Big Data Lab, I worked on a video generation system that combines large language models with diffusion models, which helped solidify my understanding of generative models and their potential for real-world applications.

Currently, I am working as a research intern at the Pervasive Human-Computer Interaction Lab, where I focus on aligning human and AI thought processes, particularly through building collaborative writing assistant tools. I am also involved in the Information Retrieval Lab, working on enhancing traditional recommendation models such as FM, DeepFM, and AFM by incorporating SAE plugins to improve their transparency and interpretability.

Through these experiences, I have honed my skills in machine learning, deep learning (PyTorch, CUDA), and programming (Python, C++, JavaScript), and I am keen to expand my knowledge in the broader fields of AI research, particularly those that involve practical applications of AI and its interaction with human users.

I would be honored to contribute to CHAI's groundbreaking research on AI alignment and collaborate with its world-class team. I am available from June 23 to September 14, 2025, and I am open to both remote and in-person research opportunities. Although I am willing to self-fund my visit, I would greatly appreciate any potential funding opportunities CHAI could provide.

Thank you for considering my application. I look forward to the possibility of contributing to and learning from the exceptional work being done at CHAI.

Sincerely,  
Qingyang Zhou