Education

University of Shanghai for Science and Technology

Sept 2021 – Jun 2025 (Expected)

Bachelor's Degree in Intelligence Science and Technology

Shanghai, China

Publications

- 1. Xing, Yunhao, Que Liu, Jingwu Wang, and Diego Gomez-Zara. "SMoRe: Enhancing Object Manipulation and Organization in Mixed Reality Spaces with LLMs and Generative AI." arXiv [Cs.HC], 2024. Available at: http://arxiv.org/abs/2411.11752.
- 2. Muhammad Salman Abid, Mrigank Pawagi, Sugam Adhikari, Xuyan Cheng, Ryed Badr, Md Wahiduzzaman, Vedant Rathi, Ronghui Qi, Choiyin Li, Lu Liu, Rohit Sai Naidu, Licheng Lin, Que Liu, Asif Zubayer Palak, Mehzabin Haque, Xinyu Chen, Darko Marinov, and Saikat Dutta. "GlueTest: Testing Code Translation via Language Interoperability." In Proceedings of the 40th International Conference on Software Maintenance and Evolution (ICSME'24) NIER Track, 2024.

Relevant Coursework

- Machine Vision (92)
- Autonomous Mobile Robots (98)

- Machine Learning (93)
- Robot Vision System and Measurement (92)

Research Experience

Human-Computer Interaction Research Group

Jul 2024 - Present

Undergraduate Researcher supervised by Prof. Diego Gómez-Zará

University of Notre Dame

- Integrated depth camera with visual SLAM (Simultaneous Localization and Mapping) on ROS (Robot Operating System) to achieve scene understanding and environmental mapping in mixed reality setups.
- Developed a VR meeting room prototype using Unity and Photon Networking to create multi-user, immersive environments, improving virtual collaboration in distributed teams.
- Applied Unity's XR interaction toolkit to create intuitive user controls and interactions, ensuring seamless communication between the VR hardware and software.
- Collaborated with teams on mixed reality projects that leveraged AI-driven environmental recognition to enhance object detection and manipulation in mixed reality spaces.

Summer Undergraduate Research

Aug 2023 – Jan 2024

Remote Undergraduate Researcher supervised by Prof. Darko Marinov

University of Illinois Urbana-Champaign

- Assisted in identifying and establishing a pipeline of clients for library translation services, while testing compatibility and stability of client integrations.
- Leveraged Linux environments for efficient development, utilizing Docker containers for consistent development setups and scaling applications. Utilized GitHub for team collaboration and code review.
- Modified and optimized XML configuration files for better modularity and compatibility across multiple Maven-based Java projects.
- Resolved complex Python packaging and dependency conflicts within Java runtime environments, enhancing cross-language integration.

School Of Computing Summer Workshop

Jul 2023

Visiting Student

National University of Singapore

- Developed a 2D game from scratch within a 3-week timeframe, collaborating with group members.
- Acquired proficiency in Unity and C# for 2D game development.

Skills

Programming: Python, C#, C, C++, Java, Matlab, SQL **Tools and Frameworks**: ROS, Unity, Docker, Git, PyTorch

Engineering: RealSense, Altium, Keil

Languages: English (TOEFL: 106), French (intermediate), Chinese (native)