NANDI ZHANG

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EDUCATION

University of Calgary Sept. 2023 - Present
MSc in Computer Science (Thesis-based) Advisor: Professor Ryo Suzuki

Hong Kong University of Science and Technology Sept. 2018 - Aug. 2022
BSc in Data Science and Technology Advisor: Professor Xiaojuan Ma

RESEARCH INTEREST

Human-Computer Interaction; VR/AR; Human-Robot Interaction

PUBLICATION

[1] **Nandi Zhang**, Yukang Yan, and Ryo Suzuki. From Following to Understanding: Investigating the Role of Reflective Prompts in AR-Guided Tasks to Promote Task Understanding. (*In submission to CHI'25*)

[2] Aditya Gunturu, Shivesh Singh Jadon, **Nandi Zhang**, Morteza Faraji, Jarin Thundathil, Tafreed Ahmad, Wesley Willett, and Ryo Suzuki. RealitySummary: Exploring On-Demand Mixed Reality Text Summarization and Question Answering using Large Language Models. (*In submission to CHI'25*)

[3] Hanfang Lyu, Xiaoyu Wang, **Nandi Zhang**, Shuai Ma, Qian Zhu, Yuhan Luo, Fu-Gee Tsung, and Xiaojuan Ma. Signaling Human Intentions to Service Robots: Understanding the Use of Social Cues during In-Person Conversations. (*In submission to CHI'25*)

[4] Aditya Gunturu, Yi Wen, **Nandi Zhang**, Jarin Thundathil, Rubaiat Habib Kazi, and Ryo Suzuki. Augmented Physics: A Machine Learning-Powered Tool for Creating Interactive Physics Simulations from Static Diagrams. *In Proceedings of the Annual ACM Symposium on User Interface Software and Technology.* 2024. (**UIST'24**)
Best Paper Award

[5] Peixuan Xiong, Yukai Zhang, **Nandi Zhang**, Shihan Fu, Xin Li, Yadan Zheng, Jinni Zhou, Xiquan Hu, and Mingming Fan. To Reach the Unreachable: Exploring the Potential of VR Hand Redirection for Upper Limb Rehabilitation. *In Proceedings of the CHI Conference on Human Factors in Computing Systems.* 2024. (**CHI'24**)

EMPLOYMENT

SenseTime Group Inc. Jan 2021 - Jan 2022
Research Intern

Contributed to diverse machine learning projects, addressing neural collapse in transfer learning and developing a comprehensive vision model training framework. Explored few-shot distillation techniques and implemented language models, including BERT and GPT-2. Pre-trained large-scale visio-linguistic models and worked on reinforcement learning systems like AlphaZero.

TEACHING EXPERIENCE

DATA 201: Thinking with Data Fall 2023
Teaching Assistant

Instructor: Professor Nelson Wong
Department of Computer Science, University of Calgary

DATA 201: Thinking with Data Winter 2024 & Fall 2024
Head Teaching Assistant

Instructor: Professor Nelson Wong
Department of Computer Science, University of Calgary

SCIE 398: Communication for Computer Science Fall 2024
Course Development Assistant

Instructor: Professor Nelson Wong
Department of Computer Science, University of Calgary

SERVICE

Student Volunteer
CHI 2025

SKILLS

Programming Languages and Frameworks: Python (Proficient), C# (Proficient), Pytorch (Proficient), C++ (Proficient), R (Familiar), Java (Familiar), JavaScript (Familiar), SQL and NoSQL (Familiar)
Web Technologies: React (Familiar)
Software and Tools: Unity (Proficient), Tableau (Proficient), Qualtrics (Proficient), OpenRefine (Proficient), Matlab (Familiar)
Languages: English (Fluent), Mandarin (Native)