

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, Yuhao 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. Pre-trained large-scale visio-linguistic models and worked on reinforcement learning systems like AlphaZero. Demonstrated expertise in applying advanced AI techniques across computer vision, natural language processing, and reinforcement learning domains.

TEACHING EXPERIENCE

DATA 201: Thinking with Data

Fall 2023, 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)