

# NANDI ZHANG

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## EDUCATION

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**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

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

## PUBLICATION

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- [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

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**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

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### **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**

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

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### **Student Volunteer**

CHI 2025

## SKILLS

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**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)