# QINGWEI BEN

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## EDUCATION

**Chinese University of Hongkong**     Sep. 2024 – Future

Ph.D in Information Engineering at Multimedia Lab (MMLab)

- Advised by Prof. Dahua Lin;

**Tsinghua University**     Sep. 2020 – Present

B.S. in Mathematics and Physics and B.E. in Software Engineering

- Advised by Prof. Huazhe Xu;

## RESEARCH EXPERIENCE

**Short-horizon Control in Embodied City**, advised by Dr. Jiangmiao Pang     Sep. 2023 – Present

*Research Intern*    OpenRobotLab, Shanghai AI Lab

**Whole body control for legged robot**, advised by Prof. Huazhe Xu     Mar. 2023 – Present

*Research Intern*    TEA Lab, IIIS, Tsinghua University

**Differentiable Tactile Simulator**, mentored by Prof. Chuang Gan     June. 2023 – Sep. 2023

*Research Intern*    MIT-IBM Watson AI Lab & Umass Amherst

## PUBLICATION

(* means equal contribution)

[1] Guoping Pan*, **Qingwei Ben***, Zhecheng Yuan, Guangqi Jiang, Yandong Ji, Jiangmiao Pang, Houde Liu, Huazhe Xu. "RoboDuet: A Framework Affording Mobile Manipulation and Cross-Embodiment". **In submission**

[2] Zilin Si*, Gu Zhang*, **Qingwei Ben***, Branden Romero, Xian Zhou, Chao Liu, Chuang Gan. "DiffTactile: A Physical-based Differentiable Tactile Simulation for Contact-rich Robotic Manipulation". **ICLR 2024**

## SELECTED AWARDS

- First Prize of 2021 China Robotic Contest UAV Event     2022
- Provincial-Level Merit Student of Jiangsu Province     2019

## SKILLS

- *Programming Languages*: Python, C/C++, Java, Javascript, Swift
- *Tools of Production*: ROS, Pytorch, Git, Docker, Qt, HTML, CSS, MASM, SQL, VUE, Flask, MFC, Isaac-Gym, IsaacSim, Taichi, Brax
- *Development Skills*: Database, Web, FTP, Wechat Mini Program, Win32 Program
- *Language*: Chinese(native), English(proficient), German(basic)