



Xiaoyong Xie

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Education

Bachelor of Science

Sep 2020 – Present

Beihang University, Beijing, China

Major: Software Engineering

Ranking: top 10% out of 181 students

GPA: 90.4/100

Research Experience

RAG-HOI: Retrieval augmented human-object interaction

Present

Co-Author, Supervised by Prof. Lu Sheng

Experiments to invent retrieve augmented generation into human-object interaction tasks, currently in progress

High-Performance Intelligent Humanoid Robot

2022 – 2023

Founder, Supervised by Prof. Rong Liu

This project represents the autonomous development of a High-Performance Intelligent Humanoid Robot, third place of the RoboCup soccer competition in China. As the founder of the project, I led the creation of the robot's mechanical structures and software, all developed from scratch.

Remora Suckerfish Robot

2021 – 2022

Key Contributor, Supervised by Li Wen

Included in the SCI with an impact factor of 3.74. A bio-inspired hitchhiking remora suckerfish robot.

Intelligent Window Cleaning Robot

2020 – 2021

Team leader, Supervised by Prof. Kamaran

The autonomous development of an Intelligent Window Cleaning Robot designed to tackle the challenge of cleaning uneven and obstructed glass surfaces.

Extracurricular activities

'One Lesson in Childhood'

2020 – 2022

Project Leader

This project aims to make volunteering in education more accessible to college students and to bring high-quality educational resources to rural elementary schools.

Research Area

Computer Vision

Automation and Robotics

Lab Internship

VCG-Kaleidoscope, Beihang University (Prof. Lu Sheng)

Colab, Beihang University (Prof. Si Liu)

Biomechanics and Soft Robotics Lab (Prof. Li Wen)