Mr
SHI MIAOHUI
(He/Him)

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My name is Shi Miaohui. I am a **graduate student** in Waseda University major on Mechanical Engineering. I am interested in the various ways in which **robotics** and its related technologies can be applied.

EDUCATION

M.S. in Mechanical Engineering
Waseda University 📍
2022 – 2024 📅

B.S. in Mechanical Science Engineering
Huazhong University of Science and technology 📍
2017 – 2021 📅

SELECTED PUBLICATIONS

A Remote Experiment Platform based on HTML5 for Industrial Robots
H. Tao and S. Miaohui 👤
IEEE MED 29th 📄
DOI: 10.1109/MED51440.2021.9480211 🔗

SELECTED PROJECTS

STM32 based signal acquisition card program development
Assist in the design of an STM32 chip-based acquisition card program and accompanying experiment course

Development of Imitating System based on Scara Robot
By combining Azure kinect and TwinCAT, a system has been designed that can drive a SCARA robot to imitate a human arm.

WORK EXPERIENCE

Research Assistant
Duties included:

- Development of project prototypes
- Matching with manufacturers
- Writing teaching materials
- Participating in course design

📍 Huazhong University of Science and technology
📅 2019/12-2022/02

Learning Assistant
Duties included: Responsible for answering and instructing questions and marking exams in programming-related courses
📍 Waseda University
📅 2022/10-2022/12

SKILLS & LANGUAGES

Computer

●●● C++(Qt) ●●● Matlab
●●● IEEE 61131-3 LANG ●●○ Python
●○○ Unity3D

Other tools

● MS Office ● Linux(Ubuntu) ● TwinCAT 3.1
● LaTex ● Markdown ● HTML

Languages

●●○ English ●●○ Japanese
●●● Chinese