

# WEIHENG WANG

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## 🎓 EDUCATION

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**RWTH Aachen**, Aachen, Germany 2023 – Present

*Master student* in Renewable Energy, expected July 2025

**Zhejiang University**, Hangzhou, China 2018 – 2022

*B.S.* in Control Science and Engineering

## 👥 EXPERIENCE

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**Huzhou Institute, Zhejiang University** Huzhou, China July 2022 – September 2022

*Research Assistant* PI: Dr. Yanjun Cao

Implemented MPC control for unmanned vehicle platform.

- unmanned vehicle performance testing
- simulation and application of MPC control
- improvement of MPC control on CubeTrack

**Tea serving collaborative robot based on gesture recognition** September 2021 – July 2022

*Graduation project* Mentor: Prof. Yiping Feng

- Using Google On-device machine learning platform MediaPipe
- Learning basic calibration methods and point cloud processing
- Using collaborative robot platform UR3e
- Controlling robot arm to finish basic tea serving tasks through gestures

## ⚙️ SKILLS

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- Programming Languages: Python C++ MATLAB
- Simulation Platform: ROS Gazebo
- Development: MediaPipe

## 📄 MISCELLANEOUS

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- Homepage
- GitHub
- Languages: English - Fluent, Mandarin - Native speaker, German - Fluent