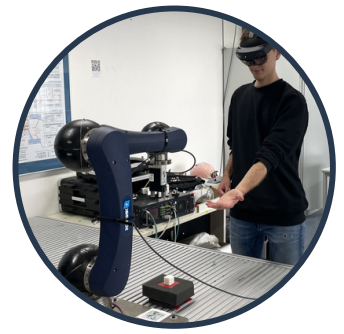# CHRISTIAN NATHAUS

AI & Robotics Engineer

## About Me

I am passionate about enhancing human-robot interactions and leveraging AI methods to develop robots that are useful in real-world applications. Through my studies, internships, and projects, I have gained expertise in the diverse tasks required to develop and deploy such systems. I particularly enjoy working at the intersection of different domains. I look forward to starting my career in a dynamic, interdisciplinary, and diverse team.

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## Education

**Yonsei University, South Korea**
Semester Abroad
2023

**Technical University of Munich, Germany**
**M.Sc. Robotics, Cognition, Intelligence**
2020 - 2023
- graduated with distinction (grade: 1.5)

**NUS - National University of Singapore, Singapore**
Semester Abroad
2019

**RWTH Aachen University, Germany**
**B.Sc. Mechanical Engineering**
2016 - 2020
- graduated among top 5% of class

## Work Experience & Projects

**Master's Thesis @ TUM CPS Group**
2023
- "Augmented Reality-Enhanced Active Preference Learning for Human-Robot Collaboration (grade: 1.0)
- received Google DeepMind grant to present work at ICRA 2023 in London

**Working Student @ WZL RWTH Aachen**
2022 - 2023
- worked on AI part identification in additive manufacturing
- received 10k€ in funding for further research

**Internship @ BMW Israel**
2021–2022
- developed LLM prototype application for in-vehicle entertainment
- worked on computer-vision based navigation in parking garages

**Practical Course @ RobCo**
2021
- integrated welding machine onto modular robot

**Bachelor's Thesis @ IGMR RWTH Aachen**
2020
- worked on AI task planning for service robotics (grade: 1.0)

## Skills

Python, PyTorch,
Typescript, React,
Next.js
C#, Unity
ROS, C++
Matlab, Simulink

## Languages

German, native
English, TOEFL C2
Korean, basic

## Interests

Beachvolleyball,
Climbing, Road
biking, Chess