

Christian Felix Scherer

PERSONAL LIFE

FIELD HOCKEY ATHLETE | 2.

BUNDESLIGA

2008 – Present | Rüsselsheim Ruder Klub

First goalkeeper for a team in the 2. Bundesliga, the second highest league in Germany.

BOARD OF RÜSSELSHEIMER RUDER KLUB | UMPIRES

February 2025 – Present

Coordinating and training youth and adult umpires for a club with more than 500 active members.

ERASMUS SEMESTER | TURIN, ITALY

March 2023 – September 2023

COURSE WORK

Computational Engineering and Robotics

Robot Learning Integrated Project

Intelligent Agents

Probabilistic Graphical Models

Deep Learning for Natural Language

Processing

PERSONAL PROJECTS

"WIZARD" CARD GAME

Wrote and deployed a webapp for playing the card game "Wizard" using Django and Python.

CHESS TACTICS

Developed a tool for automatically generating interactive flashcards by scraping publicly available chess tactic books.

SKILLS

PROGRAMMING

Over 5000 lines:

Python • Java • JavaScript

LANGUAGES

German: Mother tongue

English: C2

Italian: B2

RESEARCH

COHERENT SOFT IMITATION LEARNING FOR VISION-LANGUAGE-ACTION MODELS

INTELLIGENT AUTONOMOUS SYSTEMS

April 2025 – Present | Darmstadt

Working with **Joe Watson**, **Theo Gruner**, **Daniel Palenicek** and **Prof Jan Peters** on a method for sample-efficiently fine-tuning VLAs by training a residual using Imitation Learning and Inverse Reinforcement Learning.

PUBLICATIONS

- [1] C. Scherer, M. Tölle, T. Gruner, D. Palenicek, T. Schneider, P. Schramowski, B. Belousov, and J. Peters. AllmAN: A German Vision-Language-Action Model. In *German Robotics Conference (GRC)*, 2025.
- [2] J. Stranghöner, T. Gruner, P. Vanjani, T. Jülg, C. F. Scherer, J. Peters, W. Burgard, K. Neumann, and R. Lioutikov. Coarse-to-Fine BEAST: Dual-System Spline Tokenization for Vision-Language-Action Models. In *German Robotics Conference (GRC)*, 2026.

SCHOLARSHIPS

RESEARCH ORIENTED MASTER'S SCHOLARSHIP | ELIZA

October 2025 – Present

A prestigious scholarship aimed at enabling strong candidates for PhD programs in Machine Learning and Robotics to focus on their research.

EDUCATION

M. SC. IN AUTONOMOUS SYSTEMS AND ROBOTICS

TU DARMSTADT

Nov 2025 - Present

No grade yet.

B. SC. IN COMPUTER SCIENCE

TU DARMSTADT

Nov 2020 - Nov 2025

Grade: 1.11 with Honors

ABITUR

IMMANUEL-KANT-SCHULE

Grad. June 2020 | Rüsselsheim

Grade: 1.1

EXPERIENCE

RIG BOOTCAMP ON FOUNDATIONAL BEHAVIOUR MODELS

November 2025 | Karlsruhe

SIEMENS | WORKING STUDENT IN RESEARCH DEPARTMENT FOR AUTONOMOUS SYSTEMS

March 2024 - September 2025 | Munich (Remote)

Worked on Smartgrasp, a pose estimator for precisely picking machine parts, using Python and PyTorch. Responsible for improving the training pipeline and training part-specific models.