Julian Jandeleit

M.Sc. * Computer and Information Science

I like to apply computer and data science to real-world tasks, focussing on computer vision, robotics and distributed systems.

My experience ranges from two thesis's and several professional and voluntary projects I worked on next to my studies. My approach to challenging tasks is to systematically investigate all elementary aspects until a viable solution is found or all options are ruled out.

Education

2022-2025 (*Final grade pending)
Master of Science Computer and Information Science at Uni Konstanz
Thesis "Training LLMs to translate Mission Descriptions in Natural Language into Controller for Robot Swarms"

2017-2022
Bachelor of Science Computer Science at Uni Konstanz
Thesis "Lidar assisted Depth Estimation for Thermal Cameras"

2009-2017
Abitur Gymnasium at BZM Markdorf

Professional Experience

01.09.2024-31.07.2025
Student Assistant at Uni Konstanz (CVIA Group)
- Review, evaluation and conception of methods for vision-only SfM and 3D reconstruction of paraglider trajectories
- Data exploration and fusion of GPS, IMU and GoPro data
- Detection of paragliders with vision-language models
- Multi-Camera calibration with ChArUco and AprilTag markers

01.10.2021 - 30.04.2024
Student Assistant at HTWG Konstanz (AI4Grids Project)
- Server administration and script development to manage and isolate ML-experiments between different users
- ML-model implementation, training and pipeline maintenance
- Preprocessing and analysis of experiments for probabilistic load forecasting

01.04 - 30.09. 2020
Internship at LAKE FUSION Technologies GmbH
- Insight into startup working on autonomous driving
- Development of internal tools for task automation
- Extending C++ toolchain with regression tests and interactive 3D data annotation

Konstanz, 09.07.25

Info

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Born 21.02.1999 in Starnberg, Germany

Extracurricular Activities

CV4Animals Workshop at CVPR 2024
Presented my accepted paper "Aligning thermal cameras with LiDAR scenes in subterranean environments" at the poster session

Jyväskyla Summer School 2023, Finnland
Attended courses on collective decision making and accessible design of technology

Kilometer1 Awards 2022
Achieved 3rd place in finals of the student innovation award in Konstanz for a smart distributed archive for personal photos

SIA and RoboCup Junior 2015-2017
Seminars during high school and participation in robot soccer championships, achieving 1st place in national championships among others

Skills & Tools

Programming Languages
Prefer: Python and Rust
Worked with: Matlab, Julia, Java, C/C++, Bash, SQL, Cypher

Software Environments
Linux, Docker, ROS2, CUDA
Git, Conda, Huggingface, Pytorch

Languages
German (native), English (C1)