

HENRI KIESEL

Munich, Germany

mail@henri-kiesel.de

[GitHub](#) · [LinkedIn](#) · henri-kiesel.de

SUMMARY

Master's student in Robotics, Cognition, and Intelligence at **TUM**, with a bachelor's in Engineering Cybernetics from the **University of Stuttgart**. Research background in **deep learning** through my bachelor's thesis, a student research assistant role, and university projects. **Close to one year of full-time industrial experience** in product development at FARO Europe GmbH & Co. KG (3D laser scanning). Volunteer work with the **TUM Social AI Club**; earlier experience as a youth soccer head coach. To learn more about my work, please visit my [website](#).

EDUCATION

- | | |
|---|---|
| Technical University of Munich
<i>Master of Science in Robotics, Cognition, Intelligence</i> | Oct 2025 – Present
Munich, GER |
| <ul style="list-style-type: none">Projects: autonomous UAV cave exploration, predicting HDRI maps from single face portraitsCurrent overall grade (May 2026): 2.1 (good) | |
| University of Stuttgart
<i>Bachelor of Science in Engineering Cybernetics</i> | Oct 2020 – Apr 2025
Stuttgart Vaihingen, GER |
| <ul style="list-style-type: none">Thesis: "Advancement of a Reinforcement-Learning based operational strategy for a façade-integrated adsorption system", awarded grade: 1.0 (excellent)Project Competition (2nd Place): Control of a harbor crane with active oscillation dampingOverall grade: 2.5 (good) | |

EXPERIENCE

- | | |
|--|---|
| TUM Social AI Club - Engineering Department
<i>AI Engineer</i> | May 2026 – Present
Munich, GER |
| <ul style="list-style-type: none">The TUM Social AI Club connects students with nonprofit organizations for semester-long AI projects | |
| Institute for System Dynamics, University of Stuttgart
<i>Student Research Assistant</i> | Jun 2025 – Sep 2025
Stuttgart Vaihingen, GER |
| <ul style="list-style-type: none">Continuation of research conducted during my bachelor's thesisDesigned and implemented new evaluation metricsOptimized training pipeline, deep RL architecture, and parameters | |
| TSV Korntal e.V.
<i>U11 Head Coach</i> | Jan 2020 – Apr 2022
Korntal-Münchingen, GER |
| <ul style="list-style-type: none">Team management: acquisition of team equipment; organized practice, match days, and tournamentsCommunication with club management and parents | |
| FARO Europe GmbH & Co. KG
<i>Intern at FARO Labs</i> | Nov 2019 – Sep 2020
Korntal-Münchingen, GER |
| <ul style="list-style-type: none">Automated UI-, unit-, and API-tests for a hand-held scanning deviceDesigned and implemented a noise-filter for a prototypeImplemented a system diagnostics module and contributed to SLAM evaluation | |

QUALIFICATIONS

Language: German (native), English (IELTS 8.0), French (basics)
Programming: Java, Python, C/C++, JavaScript, MATLAB, HTML/CSS
Operating Systems: Windows, Linux (Ubuntu), ROS, macOS
Developer Tools: Simulink, VS Code, Cursor, PyCharm, IntelliJ, Eclipse, Docker
Libraries: pandas, NumPy, Scikit-learn, Matplotlib, PyTorch, TensorFlow
Collaboration: Atlassian (Jira, Confluence), MS Office, Slack, GitHub, GitLab

Public version. This PDF omits personal details (full address and phone).
Please contact me if you would like the original CV.