

## Curriculum Vitae

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### **Personal information**

Name	Stephan Wegner (born Hess)
Day of birth	26.02.1991
Place of birth	Müllheim, Germany
Civil status	Married
Nationality	German

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### **Career history**

10/2016 - 04/2021	<i>Research Associate ETH Zürich</i> Product Development Group Zurich (pd z) User studies of hardware and software products with eye tracking in industry cooperation projects, student supervision
03/2020 - 06/2020	<i>Program Lead, helpfulETH</i> Coordination with 150 volunteers, internal and external partners and core teams, strategic planning, removing barriers and finding blind spots
10/2016 - 10/2018	<i>Usability Engineer, Peripal AG</i> Main responsible person for formative and summative human factor testing according to IEC 62366-1, medical device risk class IIa

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### **University**

10/2016 - present	<i>Swiss Federal Institute of Technology in Zürich (ETH Zürich)</i> Doctor of Science of ETH Zurich <ul style="list-style-type: none"><li>Area of specialization: User studies of hardware and software products with eye tracking and data analysis using machine learning</li></ul>
04/2014 - 10/2016	<i>Karlsruhe Institute of Technology</i> Master's degree in mechanical engineering <ul style="list-style-type: none"><li>Area of specialization: user-centered product development, ergonomics and usability testing (Patent DE102015220257A1)</li><li>Final grade: 1.4 (very good)</li></ul>
10/2010 - 04/2014	<i>Karlsruhe Institute of Technology</i> Bachelor's degree in mechanical engineering <ul style="list-style-type: none"><li>Area of specialization: materials science and materials engineering</li><li>Final grade: 2.2 (good)</li></ul>

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### **Practical experiences**

04/2015 - 03/2016	<i>KIT, Institute for product development, student assistant</i> Department Device Design - Modeling & Simulation
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10/2013 - 03/2014      *Internship with ANDREAS STIHL AG & Co. KG*  
Design & development, ergonomics optimization of a telescoping pole pruner (Patent DE102016013145A1)

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### **Additional qualification**

02/2019 - 08/2019      *Introduction to Machine Learning, ETH Zürich*

09/2018 - 12/2018      *Business Concept Course, STARTUP CAMPUS*

10/2017      *Good Clinical Practice Courses, Clinical Trials Center of the USZ*

- GCP Basic Course (Module 1 and 2)
- Research Manager Course (Module 3)

07/2012      *Karlsruhe Institute for Technology, IPEK*  
Award for outstanding achievement in the subject of machine design theory within the framework of a development and design project in a team over two semesters

IT knowledge	Office software:	MS Office, MS Project
	ALM system:	Aligned Elements
	Design prototyping tool:	Figma
	Coding language:	Python
	3D-CAD-system:	Pro/Engineer, Creo
	Eye tracking software:	SMI BeGaze Tobii Pro Lab

Languages	German	Mother tongue
	English	Fluent in speech and writing
	French	Basic knowledge

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### **Publications (selection)**

DA. Hofmaenner, A. Herling, S. Klinzing, S. Wegner, Q. Lohmeyer, RA. Schuepbach, and PK. Buehler, "Use of eye tracking in analyzing distribution of visual attention among critical care nurses in daily professional life: an observational study", J Clin Monit Comput, Dec, 2020, doi: 10.1007/s10877-020-00628-2

S. Wegner, Q. Lohmeyer, D. Wahlen, S. Neumann, JC. Groebli, and M. Meboldt, "Value of Eye-Tracking Data for Classification of Information Processing-Intensive Handling Tasks: Quasi-Experimental Study on Cognition and User Interface Design," JMIR Human Factors, Jun, 2020, doi:10.2196/15581

J. Wolf, S. Hess (shared first authorship), D. Bachmann, Q. Lohmeyer, and M. Meboldt, "Automating areas of interest analysis in mobile eye tracking experiments based on machine learning," Journal of Eye Movement Research, Nov, 2018, doi: 10.16910/jemr.11.6.6

(For more, please visit <https://orcid.org/0000-0002-1345-6395>)

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### **Hobbies**

- Sailing, surfing, kitesurfing and hiking
- Photographing and reading