Prof. Dr. Sebastian S. **Feger**

HUMAN-COMPUTER INTERACTION RESEARCHER · UX RESEARCHER · FULL PROFESSOR · SOFTWARE ENGINEER

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Experience

Rosenheim Technical University of Applied Sciences · Rosenheim, Germany   Since March 2024
FULL PROFESSOR
Responsible for conceptualizing and organizing the new degree program *Smart Interactive Media (B.Sc.)* at Campus Chiemgau in Traunstein.

Ludwig Maximilian University of Munich · Munich, Germany   Nov. 2020 - Dec. 2024
POSTDOCTORAL RESEARCHER (HCI / UX)
Involved in teaching several classes, including Sketching with Hardware, Design of Media Systems, and Web Programming.

Consultancy · **Sebastian Feger IT/UX Consulting**   Since September 2020
Advisory activities regarding the design and user experience of software applications.

ICARDA   Consulting the International Center for Agricultural Research in the Dry Areas (ICARDA).

CERN, European Organization for Nuclear Research · Geneva, Switzerland   Feb. 2017 - Jan. 2020
UX DESIGNER · HUMAN-COMPUTER INTERACTION RESEARCHER · DOCTORAL STUDENT
- Studied practices around research sharing, reuse, and data management in data-intensive science.
- Implemented and evaluated novel motivational interaction techniques in research tools.
- Conducted user research and evaluations through interviews, focus groups, and surveys.
- Designed interactive prototypes with Balsamiq and Figma, and implemented service components in ReactJS.
- Informed CERN's strategy and vision regarding open science and data management.
- Published and presented research findings at leading international conferences in Human-Computer Interaction.

Techno et Control · Karlsruhe, Germany   Oct. 2015 - Dec. 2016
TECHNICAL PROJECT MANAGER · UX DESIGNER · LEAD DEVELOPER
- Mapped and explored boundaries of mobile Bluetooth Low Energy (BLE) applications for private networks.
- Responsible for the technical project management and the implementation of the Android and iOS emergency app SoftAngel that is based on BLE data exchange.
- Designed a major part of the app's user interface and managed user experience studies iteratively throughout the design cycle.

CERN, European Organization for Nuclear Research · Geneva, Switzerland   Mar. 2013 - Feb. 2015
SOFTWARE ENGINEER · UX DESIGNER · FELLOW
- Lead engineer and architect of a software framework developed to control and test a hardware communication chip which is designed for the future upgrade of the LHC particle accelerator.
- Based the development on an iterative design process that focused on user research and requirements.
- Developed a web-based (J2EE) service that allowed clients to customize the communication chip.
- Published novel contributions of the software framework in a scientific journal.
- Represented the organization at several job fairs.

SAP Research Switzerland · Zurich, Switzerland   Oct. 2011 - Jan. 2012
SOFTWARE ENGINEER · DIPLOMA STUDENT
Supported SAP's activities in the EU research project *FP7 Drive C2X* on the future of electric vehicles, both in software engineering and project administration.

CERN, European Organization for Nuclear Research · Geneva, Switzerland   Mar. 2010 - Oct. 2010

Software Engineer · Technical Student

Analysed user requirements for software designed to control and test a custom-tailored hardware chip (ASIC). Consequently implemented the software (Java), as well as the firmware required for the communication with the ASIC (VHDL, IP/TCP protocols).

Education

Ludwig Maximilian University of Munich · Munich, Germany   Oct. 2018 - Sep. 2020

Doctoral Studies · Human-Computer Interaction

Doctoral advisor: Prof. Dr. Albrecht Schmidt
Title of the dissertation: Interactive Tools for Reproducible Science (Submitted on March 12, 2020)
Successfully defended the thesis on July 17, 2020 (magna cum laude)

University of Stuttgart · Stuttgart, Germany   Feb. 2017 - Sep. 2018

Doctoral Studies · Human-Computer Interaction

Doctoral advisor: Prof. Dr. Albrecht Schmidt

Karlsruhe University of Applied Sciences · Karlsruhe, Germany   Mar. 2012 - Feb. 2013

Master Studies · Computer Science

Degree awarded: Master of Science, M.Sc. (1.2, very good, passed with distinction)

Karlsruhe University of Applied Sciences · Karlsruhe, Germany   Sep. 2008 - Feb. 2012

Bachelor Studies · Computer Science

Degree awarded: Bachelor of Science, B.Sc. (1.2, very good, passed with distinction)

Language Skills

German	Mother tongue
English	Fluent in writing, understanding, and speaking. Spent six years in English-speaking work environments outside of Germany.
Italian	Fluent speaker, very good in writing and reading. Skills obtained by self-study and through language courses at the University of Palermo and the University of Karlsruhe.
French	Proficient in writing, understanding, and speaking. Studied French for three years in high school and lived for more than five years in France, working in a French/English environment.

Scientific Publications

ⓘ 0000-0002-0287-0945 | ⚕ Sebastian Stefan Feger: 860 citations, h-index 16 (April 3, 2025)

Archival publications report on contributions from research in computer science (Human-Computer Interaction / UX Design), usable security (IoT), usable privacy, data management, and smart tangible computing.