

Sebastian S. Feger

HUMAN-COMPUTER INTERACTION RESEARCHER · UX DESIGNER · SOFTWARE ENGINEER

Born June 16, 1989 in Achern, Germany

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Experience

CERN, European Organization for Nuclear Research · Geneva, Switzerland Feb. 2017 - Jan. 2020

HUMAN-COMPUTER INTERACTION RESEARCHER · DOCTORAL STUDENT

- Studied practices around research preservation, sharing, reproducibility and reuse in data-intensive science.
- Developed human-centered design strategies for tools and technology that support research data management.
- Implemented and evaluated novel motivational interaction techniques in research tools.
- Published and presented research findings at leading international conferences in the field of Human-Computer Interaction.

Techno et Control · Karlsruhe, Germany Oct. 2015 - Dec. 2016

TECHNICAL PROJECT MANAGER · LEAD DEVELOPER

- Responsible for the technical project management and the implementation of an Android and iOS emergency app that is based on Bluetooth Low Energy.
- Designed a major part of the user interface and managed user experience studies.

CERN, European Organization for Nuclear Research · Geneva, Switzerland Mar. 2013 - Feb. 2015

SOFTWARE ENGINEER · 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.
- Developed a web-based (J2EE) service that allows 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 electro-mobile vehicles, both in software engineering and project administration.
- Elaborated and implemented SAP based middleware platforms for Vehicle-to-Business communication.
- Responsible for the technical coordination with project partners.

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).
- Implemented the control software (Java).
- Implemented the firmware required for the communication with the ASIC (VHDL, IP/TCP protocols).

Education

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

DOCTORAL STUDIES · HUMAN-COMPUTER INTERACTION

Doctoral advisor: Prof. Dr. Albrecht Schmidt

Title of the dissertation: Interactive Tools for Reproducible Science

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

Gave an official tutorial on programming and paradigms for three consecutive terms

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 five years in English-speaking work environments.
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.

Funding

Wolfgang Gentner Scholarship	Feb. 2017 - Jan. 2020
GERMAN FEDERAL MINISTRY OF EDUCATION AND RESEARCH (BMBF)	
Received the Wolfgang Gentner Scholarship financing doctoral research at CERN (grant no. 05E15CHA).	
Deutschlandstipendium	Nov. 2012 - Feb. 2013
GERMAN FEDERAL MINISTRY OF EDUCATION AND RESEARCH (BMBF) & INDUSTRY SPONSOR	
Received a scholarship during the last semester of the Master studies.	

Scientific Publications

ORCID 0000-0002-0287-0945 | Scopus Sebastian Stefan Feger: 195 citations, h-index 7, i10-index 7 (March 2020)

Archival publications report on contributions from research in computer science (Human-Computer Interaction) and electronics. Reviewed papers for several conferences, including CSCW, CHI and MobileHCI.

The following are selected first-author publications from the PhD research:

- CHI 2019** Designing for Reproducibility: A Qualitative Study of Challenges and Opportunities in High Energy Physics
- CHI 2019** Gamification in Science: A Study of Requirements in the Context of Reproducible Research
- CHI 2019** The Role of HCI in Reproducible Science: Understanding, Supporting and Motivating Core Practices (LBW)

Additional Competences and Extracurricular Activity

Agile Software Engineer Student Edition · Karlsruhe, Germany	March 2012
CERTIFIED PARTICIPATION	
<ul style="list-style-type: none">Participated in an industrial training on Agile Software Engineering and Scrum.The training was conducted by andrena AG.	
ITIL 3 Certification · Karlsruhe, Germany	June 2012
FOUNDATION EXAMINATION	
Certified knowledge of international IT Service Management framework ITIL (IT Infrastructure Library Version 3).	
Social Commitment	
<ul style="list-style-type: none">Involvement in local politics improved my soft skills, especially teamwork and organization.Stood for election to the municipal council of Bühl (Baden), Germany, in 2009.	