



# Christoph Matthies

<https://christophmatthies>

## EDUCATION

### PHD CANDIDATE

Hasso Plattner Institute, Potsdam  
Jan. 2016 – Oct. 2023  
Research on data-informed software process improvement at the chair of Prof. Dr. h.c. mult. Hasso Plattner.

### M.Sc. IT-SYSTEMS ENGINEERING

Hasso Plattner Institute, Potsdam  
Oct. 2012 – Oct. 2015  
Areas of specialization: Internet & Security Technology, Operating Systems  
Grade: 1.3

### DESIGN THINKING BASIC TRACK

HPI School of Design Thinking  
Oct. 2012 – Feb. 2013  
Designing novel service experiences for customers of AOK health insurance.

### B.Sc. IT-SYSTEMS ENGINEERING

Hasso Plattner Institute, Potsdam  
Oct. 2009 – Aug. 2012  
Grade: 1.6

## QUALIFICATIONS

### LANGUAGES

**German and English:** Native  
**French:** Basic knowledge

### PROGRAMMING LANGUAGES

Python • Javascript • Ruby  
Java • Smalltalk • R

### TECHNOLOGIES

LangChain • Pandas, NumPy  
Jupyter • Django • Ruby on Rails  
AngularJS •  $\LaTeX$  • Git • Bash  
jQuery • SQLite • MySQL

### CERTIFICATIONS

- Product Owner, Scrum Alliance
- Scrum Master, Scrum Alliance
- SAP: Product Thinking Essentials
- MTA: Database Fundamentals

## LINKS

GitHub: [chrisma](#)

SlideShare: [chrisma0](#)

LinkedIn: [christophmatthies](#)

## EXPERIENCE

### VOCATIONAL

#### SENIOR PRODUCT SPECIALIST

Since Oct 2023 | SAP, Potsdam  
Support AI Core teams on software process improvement and product management topics. SAP's AI Core organization is responsible for the central platforms that developers use to build AI use cases.

#### LECTURER & RESEARCH ASSISTANT

Oct 2018 – Oct 2023 | HPI, Potsdam  
Responsible for the course "Scalable Software Engineering" with regularly more than 80 participants, featuring lectures and a hands-on, collaborative software development project in self-organizing Scrum teams.

#### VISITING FULBRIGHT SCHOLAR

Jan – June 2022 | CMU, Pittsburgh, PA, USA  
Visited Carnegie Mellon University as part of a Fulbright grant. Worked in the Software and Societal Systems department with Prof. James Herbsleb on agile process transitions, DevOps processes and software engineering course design.

#### SOFTWARE DEVELOPER

March 2016 – 2018 | HPI, Potsdam  
Development and operation of Ruby on Rails applications for the internal administration of university processes.

### MISCELLANEOUS

#### COMMUNITY WORKSHOP ORGANIZER

May 2017 – 2019 | HPI, Potsdam  
Organizing and mentoring introductory Scrum and agile development workshops for pupils interested in software development.

## EXTRACT OF PUBLICATIONS

- **C. Matthies**, R. Heinrich and R. Wohlrab. "Investigating Software Engineering Artifacts in DevOps through the Lens of Boundary Objects". In: *Proc. of the 27th Int. Conf. on Evaluation and Assessment in Software Engineering*. 2023
- **C. Matthies**, R. Teusner and M. Perscheid. "Challenges (and Opportunities!) of a Remote Agile Software Engineering Project Course During COVID-19". In: *Proc. of the Annual Hawaii International Conference on System Sciences*. 2022
- **C. Matthies** and F. Dobrigkeit. "Experience vs Data: A Case for More Data-Informed Retrospective Activities". In: *Lecture Notes in Business Information Processing*. 2021
- **C. Matthies**, J. Huegle, T. Dürschmid and R. Teusner. "Attitudes, Beliefs, and Development Data Concerning Agile Software Development Practices". In: *IEEE/ACM 41st International Conference on Software Engineering: Software Engineering Education and Training*. 2019
- **C. Matthies**, R. Teusner and G. Hesse. "Beyond Surveys: Analyzing Software Development Artifacts to Assess Teaching Efforts". In: *2018 IEEE Frontiers in Education Conference*. 2018