

Dr. Sarah Prange

creative UX researcher
innovative digital solutions & emerging technologies

Practical Experience

- since 12/2024** **UX Researcher (Media Informatics Group, LMU Munich)**
 - postdoctoral researcher** in the field of human-computer interaction (HCI), human-centred security & privacy, and ubiquitous multimedia**Examination Office (Computer Science Department, LMU Munich)**
 - management** responsibilities in the examination office
- 06/19-09/23** **UX Researcher (FI CODE, University of the Bundeswehr Munich)**
 - research** in the field of usable security & privacy, focus: in smart homes
 - further areas: tangible interaction, interactive museum exhibits
 - design & implementation of **prototypes**
 - design & conduction of **lab & field studies**
 - analysis** of qualitative & quantitative data (Python)
 - leading 10+ scientific publications
 - collaborated (internationally) in 7+ published projects
 - teaching**: organising & holding **courses**
 - mentoring** for individual students (theses) & teams
- 10-12/2018** **Research Internship (Lancaster University, UK)**
 - development of a web app for the campus-wide public display network (web, Python/Django)
- 12/17-05/19** **UX Researcher (Hochschule München)**
 - research** in the field of biometric authentication
 - design & implementation of **prototypes**
 - design & conduction of **lab & field studies**
 - leading 4 scientific publications
 - teaching**: organising practical **courses**
 - mentoring** for individual students (theses) & teams

Academic Career

- 12/2022** **Promotion (Media Informatics Group, LMU Munich)**
 - final grade **magna cum laude**
 - Dissertation „Usable Privacy and Security in Smart Homes“
- 12/2017** **M.Sc. Media Informatics (Media Informatics Group, LMU Munich)**
 - final grade **1.48** (minor in **media design**)
 - "Quake Quiz"**: development of an interactive quiz/exhibit at Museum Mensch & Natur (NodeJS backend)
 - Android**: development of a prototype for a novel authentication mechanism on Android (with Google Munich)
 - first contact with **lab studies**
 - holding **tutorials** for younger students

Summary

UX Research
user-centred design • usability studies • interviews • focus groups • surveys • lab studies • field studies • data analysis (Python)

Technology & Concepts
Android • web • smart home • AR/VR • prototyping • Figma



(international) Collaborations



Teaching & Mentoring



Languages



German 
English 
French 


Development



Python    
Web, Data Analysis



HTML/CSS    


JavaScript    
Node.js, Gatsby, React

PHP  
CakePHP

Java   

Android   

C#  
.NET, XAML

C++  
Cocos 2d-x

Haskell 

Tools

Adobe Creative Suite • Affinity Suite • Miro • Mural • Figma • SoSci Survey • SurveyMonkey • Trello • Notion • Slack • MS Office • Wordpress

Other Activities

- 2019-2022** **German HCI Community**
initially implementing the website (Wordpress), then part of the steering committee
www.germanhci.de
- 2019** **Organising Committee of the MuC Conference**
assistant to paper chairs, co-proceedings chair
MuC: largest conference in Human-Computer-Interaction in Europe
- 02-04/2017** **Internship at Hubert Burda Media**
developing prototypes for the final projects of journalist trainees in Wordpress
- 05-09/2015** **Bachelor thesis at the uxcite GmbH**
title: „Evaluation of Eye Tracking for Online Usability Tests“
- 2014-2015** **Student Trainee (uxcite GmbH)**
development of a software for online usability tests (Windows/C#, .NET; Web Backend/Cake PHP)
- 2013-2014** **Student Trainee (HYVE Innovation Design GmbH)**
implementing the new website in Wordpress

Teaching

- 2018-2023** **Theses (Bachelor, Master)**
supervision, LMU
- summer 2023** **Practical Course „Usable Security“**
summer 2022 teaching & organisation, UniBW & LMU
focus: tangibles (2022), werables (2023)
- summer 2021** **Practical Course „Usable Security“**
summer 2020 online (no presence teaching), UniBW & LMU
focus: VR (2020), AR (2021)
- winter 18/19** **Seminar „Research Methods in Usable Security“**
supervision of seminar papers, Hochschule München
- summer 2018** **Practical Course „Usable Security“**
winter 17/18 teaching & organisation, Hochschule München & LMU
- winter 2017** **Tutor | student assistant**
summer 2017 Tutor for game development (Python, C++/Cocos 2d-x), LMU
summer 2016

Conferences & Scientific Activities

- German HCI Community**
website **2019-2022**
lead **2022**
- Organising Committee**
ACM International Symposium on Pervasive Displays:
Web Chair **2019**
Proceedings Co-Chair **2020**
- Mensch und Computer:
Assistant to Paper Chairs **2019**
Proceedings Co-Chair **2019**
- Program Committee**
Mensch und Computer **2019, 2020, 2021**
- Student Volunteer**
ACM CHI Conference on Human Factors in Computing Systems: **2018, 2019, 2021, 2022**
International Conference on Mobile and Ubiquitous Multimedia **2018**
ACM International Symposium on Pervasive Displays **2018**
- External Reviewer**
CHI papers **2019, 2020, 2021, 2022, 2024** & LBW **2019, 2020, 2021**
IMWUT **2020, 2021**
TOCHI **2021, 2022, 2023**
MobileHCI papers **2018, 2019, 2020**
NordiCHI papers **2018, 2020** & posters **2020**
INTERACT full papers **2021**
UIST papers **2021**
Mensch und Computer **2019, 2020, 2021**

Creative & More

dance • DIY • watercolors • Bullet Journal • photography • travels • gravel bike • family & friends

Publications (Selection)

Sarah Prange, Pascal Knierim, Gabriel Knoll, Felix Dietz, Alexander De Luca, Florian Alt.
“I do (not) need that Feature!” – Understanding Users’ Awareness and Control of Privacy Permissions on Android Smartphones. In *Twentieth Symposium on Usable Privacy and Security*, SOUPS 2024.

Sarah Prange, Ahmed Shams, Robin Piening, Yomna Abdelrahman, Florian Alt.
PriView - Exploring Visualisations to Support Users’ Privacy Awareness. In *Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems*. **Talk:** <https://youtu.be/vrWA04ytmeA?feature=shared>

Karola Marky and **Sarah Prange**, Max Mühlhäuser, Florian Alt.
Roles Matter! Understanding Differences in the Privacy Mental Models of Smart Home Visitors and Residents. In *Proceedings of the 20th International Conference on Mobile and Ubiquitous Multimedia*, MUM '21.
Honourable Mention Award 🏆