

# Martin Schüßler

M.Sc. Computer Science specialised in HCI

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📍 Berlin, Germany



## PROFESSIONAL EXPERIENCE

### Student Assistant Researcher

#### HPI - Stanford Design Thinking Research Program

📅 Oct 2015 - Sep 2016 📍 HPI, Potsdam, Germany

🌐 <https://hpi.de/en/dtrp/program/overview.html>

I was part of the Visual Diagnostics Team which is working on developing and evaluating diagnostic instruments for design team interaction.

- Advised the team on evaluation methods and statistical analysis (using R) for a DTRS publication
- Facilitated data acquisition and data cleaning by developing and maintaining a data management system

### Student Assistant Researcher

#### Mobile and Physical Interaction Group, Q&U Lab

📅 Apr 2014 - Mar 2016 📍 TU Berlin, Berlin, Germany

🌐 [http://qu.tu-berlin.de/menue/forschung/gruppen/mobile\\_physical\\_interaction/](http://qu.tu-berlin.de/menue/forschung/gruppen/mobile_physical_interaction/)

Under the lead of Prof. Jörg Müller our group contributed to CHI, UIST, UBICOMP and CSCW.

- Implemented an advanced peephole display on several iOS devices
- Designed and conducted 4 small scale studies on peephole displays
- Conducted experiments and contributed to UbiComp '15 full paper
- Taught undergrad students how to code in C

### Research and Development Assistant

#### Telekom Innovation Laboratories

📅 Jan 2013 - Mar 2014 📍 T-Labs, Berlin, Germany

🌐 <http://www.laboratories.telekom.com/public/Deutsch/Innovation/Pages/Cross-Domain-Middleware.aspx>

T-Labs innovates in close cooperation with science and industry. Supervised by Mehran Roshandel and Dr. Hamed Ketabdar I enhanced a real time monitoring and outlier detection system (called ADIT).

- Developed and evaluated a new spectral analysis algorithm in Matlab
- Implemented the algorithm in Java as a component for ADIT
- Conducted extensive testing and parameter optimisation
- Filed two patents

### Graduate Assistant

#### Department of Simulation and Graphics

📅 June 2010 - June 2012 📍 Otto-von-Guericke University, Magdeburg, Germany

Working on "Sugar" (One Laptop per Child Human Interface)

## PUBLICATIONS

### Analyzing Visual Attention During Whole Body Interaction with Public Displays

#### UbiComp '15

*R. Walter, A. Bulling, D. Lindlbauer, M. Schuessler, J. Müller*

📅 Sep 2015

🌐 <http://mschuessler.de/pub/Ubicomp15.pdf>

### Pinch-drag-flick vs. spatial input: rethinking zoom & pan on mobile displays

#### CHI '14

*M. Spindler, M. Schuessler, M. Martsch, R. Dachsel*

📅 Apr 2014 🌐 <http://mschuessler.de/pub/CHI14.pdf>

### Method and system for the evaluation of recorded measured values of a system

#### Patent EPA AZ: 13186464.7

*B. Löhlein, M. Roshandel, H. Ketabdar, M. Schüßler, S. Tajik*

📅 Apr 2015 🌐 <http://google.de/patents/EP2854045A1>

### Combining computational and human analysis to study coherence in design conversations

#### DTRS '16



*A. Menning, B. Grasnick, B. Ewald, A. Scheer, F. Dobrigkeit, M. Schuessler, C. Nicolai*

📅 2016

# PROFESSIONAL EXPERIENCE

## IT-Consultant

### Self employed

 Apr 2009 - June 2013  Magdeburg, Germany



Setup and maintenance of e-commerce, content management and database management systems

- 7 successful projects

# EDUCATION

## M. Sc. Computer Science



### TU Berlin

 Apr 2013 - Nov 2016  Berlin, Germany

- Grade: 1.3
- Mayor in HCI (communication based systems)
- Minor in empirical social science
- Thesis: Spatial Input for 2D Peephole Navigation on Mobile Devices
- Courses incl.: Usability Engineering, Multimodal Interaction, Augmented Reality, Biometrics, Survey Methodology, Ethnography

## B. Sc. Business Informatics

### Otto-von-Guericke University

 Oct 2008 - Apr 2013  Magdeburg, Germany

- Major in computer science
- Minor in economics
- Thesis: An Evaluation of Touch- and Spatial based Zoom and Pan Techniques for Mobile Displays

## Study Abroad Program

### University of Sydney

 July 2010 - Dec 2010  Sydney, Australia

# SKILLS

### Qualitative research



### Empirical research (incl. R)



### User studies



### Literature research



### Objective C



### Java



### Video editing



### Presentations



# REFERENCES

### Prof. Jörg Müller

joerg.mueller@acm.org

### Dr. Hamed Ketabdar

hamed.ketabdar@clickandbuy.com

# CERTIFICATES

### Design Thinking Basic Track

School of Design Thinking - HPI

### Certificate in Advanced English (C1)

University of Cambridge

# STRENGTHS



## Analytical & Inquisitive

4 years in research taught me to approach any complex problem methodologically.



## Teaching

Passionate about facilitating the exchange of knowledge, I acquired the ability to explain complex things in simple words.



## Interpersonal Communication

I am an extrovert, who mediates between jargons in multi-disciplinary teams.



## Self-organized

Working remotely and self-employed taught me to proactively organise my work needing little supervision.

# PASSIONS



## VW T3 Camper Van



## DIY Projects