Sascha **Credé**
Cognitive Scientist · UX Researcher

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Education

PhD Candidate at Geographic Information Visualization & Analysis

University of Zurich
Zurich, Switzerland

APR 2015–TODAY

- Thesis: The Spatial Learning Benefits of Global Landmarks under Stress
- Teaching: Interactive information visualization; Cartography and geovisualization; M.Sc. Thesis Supervision
- Lectures: Project Management; Scientific Writing; Design Thinking; Mixed hierarchical Models in R; Eye Tracking – Experimental Design, Implementation, and Analysis; Python Datenanalyse und Datenvisualisierung; Fit für die Karriere

M.Sc. Cognitive Science

University of Freiburg
Freiburg, Germany

OCT 2012– DEC 2014

- Thesis: Spatial Expectations in Indoor Environments.
- Lectures: Cognitive psychology; Fundamentals of learning; Human-computer-interaction and usability; Empirical research and quantitative data analysis; Spatial cognition & language modeling; Language cognition; Architectural psychology; Aspects of artificial intelligence

B.A. Sociology and Cognitive Science

University of Freiburg
Freiburg, Germany

OCT 2007– DEC 2011

- Thesis: Das Facebook-Profilbild als soziales Dokument. Eine rekonstruktive Analyse.
- Lectures: Statistics; Cognitive modeling; Applied cognitive science; Empirical user study; Theories in sociology; Globalization and processes of modern society; Introduction to sociology; Sociology of deviant behavior; Cognition in humans and animals; Introduction to cognition science
- 2009–2010: Study at Université Victor Segalen II, Bordeaux.

High School Graduation

Berufliches Gymnasium
Michelstadt, Germany

MAY 2006

Experience

Geographic Information Visualization and Analysis Unit

Zurich, Switzerland
2015–today

RESEARCHER

- Behavioral research with multimodal methods (user-testing, self-reports, psychophysiological sensors, motion tracking)
- Setup of interactive virtual reality experiments and 3D environment
- Implementation of data logging, preprocessing and statistical anaylsis
- Academic writing and publishing
- Supervision of Master-Theses, teaching in cartography and information visualization

Center for Cognitive Science
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Freiburg, Germany
2012–2014

- Design, execution and analysis of behavioral experiments with a focus on spatial cognition
- Teamwork in multiple research projects
- Collecting and analyzing eyetracking data

Max Planck Institute for Foreign and International Criminal Law
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Freiburg, Germany
2011

- Development of a questionnaire for investigating adolescent deliquency
- Transcribing and analysis of interview data with MaxQDA
- Managing and preprocessing text data

Publications

Journal Articles

- Thrash, T., Lanini-Maggi, S., Fabrikant, S. I., Bertel, S., Brügger, A., Credé, S., Do, C. T., Gartner, G., Huang, H., Münzer, S., & Richter, K.-F. (2019). The Future of Geographic Information Displays from GIScience, Cartographic, and Cognitive Science Perspectives (Vision Paper). In 14th International Conference on Spatial Information Theory (COSIT 2019). Schloss Dagstuhl-Leibniz-Zentrum fuer Informatik.
- Credé, S., Thrash, T., Hölscher, C., & Fabrikant, S. I. (2019). The acquisition of survey knowledge for local and global landmark configurations under time pressure. Spatial Cognition & Computation, 1-30.

Conference Contributions

- Credé, S., Thrash, T., & Fabrikant, S. I. (2018). The effect of concurrent task load on the acquisition of local and global landmark knowledge. Spatial Cognition 2018 Posters, book of abstracts.
- Credé, S., & Fabrikant, S. I. (2017, September). Let's Put the Skyscrapers on the Display—Decoupling Spatial Learning from Working Memory. In International Conference on Spatial Information Theory (pp. 163-170). Springer, Cham.
- Credé, S., Fabrikant, S. I., Thrash, T., & Hölscher, C. (2017, September). Do Skyscrapers Facilitate Spatial Learning Under Stress? On the Cognitive Processing of Global Landmarks. In International Conference on Spatial Information Theory (pp. 27-29). Springer, Cham.
- Credé, S., Hölscher, C., & Frankenstein, J. (2014). Inferenzstrategien in Gebäuden:[Spatial Expectations in Indoor Environments]. In Abstracts of the 56th Conference of Experimental Psychologists (Vol. 56, pp. 49-49). Pabst Science.

Popular Media

- Training fürs "Bio-Navi" (2018), TV contribution on 3sat Nano.
  http://www.3sat.de/mediathek/?mode=play&obj=77292
- Digitale Pfadfinder (2017), Article in UZH Magazin.
  https://www.news.uzh.ch/de/articles/2017/Digitale-Pfadfinder.html
- Emotive (2017), Video for Digital Society Initiative.
  https://www.dsi.uzh.ch/de/research/projects/emotive.html

Extracurricular Activity

Students Across Borders
TUTOR
Zurich, Switzerland
2019–today
- Tutoring of refugees in german language
- Assistance with bureaucratic tasks

B.U.N.D. – Bund für Umwelt und Naturschutz Heidelberg
ECOLOGICAL CIVIL SERVICE
Heidelberg, Germany
2006–2007
- Administration, organization and implementation of nature conservation projects.

Student club (Berufliches Gymnasium)
FOUNDER & BOARD MEMBER OF THE STUDENT CLUB
Michelstadt, Germany
2005–2006
- Identified and supported the interests of the student community
- Organized events that strengthen social cohesion in school

Skills

Programming	R, R Shiney, Python, LaTeX
Methods	Experimental Design, Usability Diagnostics & Testing, Pychometrics, stats & quantitative methods, qualitative methods (Interview techniques, analysis of verbal and image data), RDQA (open source text analysis tool), Design Thinking
Languages	German, English, French, Luxemburgish

Honors & Awards

Best Poster Award, 13th International Conference on Spatial Information Theory
l'Acquila, Italy
2017

Outstanding Performance in High School, Award from Theodor-Litt Schule
Michelstadt, Germany
2003