

Moritz Held

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Date of birth: 26.12.1994 | Nationality: German

Education

since 2020

**Rijksuniversiteit Groningen, Netherlands & Carl von Ossietzky
Universität Oldenburg, Germany**
Joint PhD Program

I am doing my PhD investigating cognitive workload while driving. In my latest project, I use the cognitive architecture ACT-R to create cognitive models of driving experiments. Among other behavioral measurements, I analyze pupil size and gaze position using eyetracking analysis. All analyses is done using Python. As part of the PhD program I am enrolled in the BCN graduate school of the Rijksuniversiteit Groningen.

2017-2020

Carl von Ossietzky Universität Oldenburg, Germany
MSc. in Neurocognitive Psychology

This master's program has a heavy focus on research and neurophysiological signal processing. Modules included among others: scientific programming in Matlab and R, multivariate statistics e.g., statistical modeling and statistical learning, EEG/fMRI analysis, computer-controlled experimentation and Human-Computer-Interaction.

Thesis topic: Utilizing ACT-R to Investigate Interactions between Working Memory Load and Visuospatial Attention while Driving

2014-2017

MSH Medical School Hamburg, Germany
BSc. Psychology

Thesis topic: literature review about the Fear Recall Index

2005-2014

Marion Dönhoff Gymnasium-Mölln, Germany
Abitur

Advanced courses: Biology, Chemistry, Computer Science, Mathematics, English and German

Work experience

- 10.2019 – 11.2019** **Cognitive modelling group at the Rijksuniversiteit Groningen**
Internship
- creating basic cognitive models using ACT-R
 - learn basics in Lisp, Java
- 05.2019 – 07.2019** **Applied Psychology Lab at the Universität Oldenburg**
&
10.2019 – 12.2019 **Internship & student assistant**
- fNIRS pre-processing
 - learn basics in Python
 - connectivity analysis using Pearson correlation in fNIRS
- 05.2019 – 06.2019** **OFFIS – Institute for Information Technology**
Internship & student assistant
- basics in Dynamic Bayesian networks
 - using Bayesian nets to classify data
- 10.2016 – 02.2017** **Systemic Neuroscience Department at the Universitätsklinikum**
&
03.2017 – 09.2017 **Hamburg**
Internship & student assistant
- recruitment of participants and carrying out fMRI experiments
 - carrying out behavioral experiments that used electromyography and electrodermal activity
 - analyzing skin conductance responses
- 04.2016 – 09.2017** **General & Biological Psychology Lab at the Helmut-Schmidt**
University Hamburg
student assistant
- carrying out EEG experiments
 - carrying out behavioral experiments