



Ann-Kathrin Schalkamp

Curriculum Vitae

Personal Details

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Education

2018–present **Cognitive Science M.Sc.**, *University of Tübingen, current grade – 1.2.*
2015–2018 **Cognitive Science B.Sc.**, *University of Osnabrück, final grade – 1.5.*
2017–2018 Semester abroad with Erasmus at KU Leuven, Belgium.
2007–2015 **Secondary School**, *Thomas-Morus-Gymnasium, Oelde, final grade – 1.0.*

Master's Thesis

Title *Building a trajectory model of cognitive and motor aging: exploring predictors in large-scale, longitudinal data of elderly using machine learning techniques*
Supervisors Prof. Dr. Philipp Berens & Dr. Fabian Sinz
Description Investigating trajectories of cognitive and motor functioning in healthy elderly, evaluating risk factors and predictors for pathological decline associated with neurodegenerative diseases using multi-modal, longitudinal data.

Bachelor's Thesis

Title *Analyzing event-related potentials in 8-channel EEG data using machine learning methods*
Supervisors Prof. Dr. Gordon Pipa & M. Sc. Olivera Stojanovic
Description Investigating whether EEG data acquired with the Traumschreiber, a portable high-tech sleep mask, is usable for traditional and single-trial analysis needed for Brain Computer Interfaces.

Experience

- 2019–2020 **Laboratory Internship**, *University of Tübingen: NeuroMADLAB*.
Multi-site, large-scale mega-analysis of resting-state fMRI to explore robust and reliable functional connectivity biomarkers for Major Depressive Disorder using machine learning techniques and statistical modeling.
- 2019–2020 **Research Assistant**, *University of Tübingen: Methods of Machine Learning*.
Preparing scripts for the courses Probabilistic Inference and Learning, and Data Literacy, implementing a vectorized version of a Collapsed Gibbs Sampler for Latent Dirichlet Allocation to be used for Topic Modeling.
- 2016–2017 **Teaching Assistant**, *University of Osnabrück: Department of Computer Science*.
Tutoring the course Algorithms and Data Structures.

Languages

- German native language
English fluent
French basic

Interests

- Dance Classical Ballet and Modern Dance
- CdE Schools Taking and organizing courses at CdE Schools (alumni organization of summer programs for academically motivated students in Germany: <https://www.cde-ev.de/english/>)