

Dr. Tom Nissens

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Gießen | Germany

tomnissens.github.io

Profile

As a researcher in cognitive neuroscience, I engaged in:

- **programming** (game like) experiments to collect data
- **data analysis**; ranging from 3D position data, to EEG (brain activity) recordings
- **visualization** and **interpretation** of data and results
- **presentation** of results at conferences and lab meetings
- **writing** of papers for publication in scientific journals
- **supervision** of research assistants

Experience

Scientific Researcher, Justus-Liebig-Universität Gießen, Germany Nov 2016 – present

- Applied computational modelling to analyze EEG data (brain activity recordings) to study attention; during a 6 months research visit in the computational neuroscience lab at Queen's University, Canada
- Developed a novel experimental design; enabling a unique approach to study the influence of vision on reaching; resulting in three publications
- Hosted, organized, and broadcasted weekly seminars; as part of an overseas research collaboration between two German and three Canadian universities.
- Set up a new EEG (brain activity recording) lab

Research Assistant, Vrije Universiteit Amsterdam, The Netherlands Jul 2015 – Oct 2016

- Performed eye tracking and psychophysical studies resulting in two publications

Education

Ph.D. (Dr. rer. nat.) (*magna cum laude*) 2020

Justus-Liebig-Universität Gießen, Germany

Title of thesis: A vision to reach for: the interplay between visual perception and visually-guided movements

Master of Science in Psychology (*magna cum laude*) 2015

Universiteit Gent, Belgium

Area of study: Experimental and Theoretical Psychology

Skills

Data Analysis

Data cleaning and organization
Statistical data analysis
Computational modelling

Quantitative Research

Psychophysics (behavioral)
Eye tracking
Motion tracking
EEG (brain activity)

Programming

Python
Matlab

Other

SPSS, JASP
Adobe Illustrator, Photoshop
Microsoft Word, Excel, Powerpoint
Basic video and sound editing