

# TIMOTHEUS BERG

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## EDUCATION

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<b>Technische Universitaet Berlin</b> Bachelor in Mathematics (BSc.)	<i>October 2019 - Present</i>
<b>Technische Universitaet Berlin</b> Master in Industrial Engineering and Management (MSc.)	<i>October 2018 - April 2021</i>
<b>Technische Universitaet Berlin</b> Bachelor in Industrial Engineering and Management (BSc.)	<i>October 2015 - April 2019</i> Grade: 2.7

## PROJECTS AND SEMINARS

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### MarconISSta

MarconISSta is a spectrum analyzer payload that was launched to the International Space Station in 2018. It monitored parts of the frequency spectrum in VHF, UHF, L and S band in order to analyze current use and availability of bands for satellite communication. My contribution to the project was data visualization and analysis.

### Brain Computer Interfacing (Prof. Blankertz)

Presented a Seminar on Brain Computer Interfacing on cognitive workload classification using EEG. The novelty of the paper presented was a classification of a continuous cognitive workload variable using the SPoC algorithm.

## TECHNICAL STRENGTHS

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**Programming**      Python, Matlab, C# (Unity), R

## WORK EXPERIENCE

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**TU Berlin, Chair of Biological Psychology and Neuroergonomics**      May 2019 - Present  
*Research Assistant*

- Assistance in data collection and analysis of various EEG experiments. I collected most of the data for the second iteration of the Invisible Maze Task Experiment (see [https://doi.org/10.1007/978-3-319-96385-3\\_20](https://doi.org/10.1007/978-3-319-96385-3_20) for the first Iteration). Since October 2019 I am responsible for a project in which I investigate spatial navigation. I contrast path integration including physical locomotion with traditional joystick control in a homing task with identical paths. My responsibilities involve programming of the paradigm, data collection, and the subsequent analysis of the data.

**TU Berlin, Chair of Logistics**      April 2017 - August 2018  
*Research Assistant*

- Research on various topics within the field of logistics and assistance in teaching. Data analysis of survey data for a study on digital transformation in supply chain management: Pathway of Digital Transformation in Logistics (<https://doi.org/10.14279/depositonce-8502>)

## **EXTRA-CIRRUCULAR**

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Assistance in organizing the International Supply Chain Conference 2018, Berlin

Assistance in organizing the 12th International Small Satellite Symposium, DLR, Berlin

Attended the 9th Winter School for Ethics and Neuroscience, 2020, BCCN, Berlin