



Technische Universität Berlin



Student assistant (40 hours per month)

Faculty IV - Electrical Engineering and Computer Science, Institut für Softwaretechnik und Theoretische Informatik - Modellierung Kognitiver Prozesse

Reference number: IV-SB-0065-2025 (starting at the earliest possible / until 31.12.2027 / closing date for applications 24/11/25)

Your responsibility:

As part of the DFG-funded collaborative research center TRR 384 "IN-CODE", we are investigating the role of different inhibitory interneurons on neuronal information processing in the brain. In this context, we are looking for a motivated student assistant to support our research. The associated tasks include:

- The preprocessing of large amounts of neuronal data (25%)
- Support in the implementation of neuronal data analysis methods in Python (50%)
- Support in the graphical presentation of the results for project (25%)

Your profile:

Mandatory criteria:

- Very good programming skills in Python
- Good knowledge of basic methods of machine learning (dimensionality reduction and decoding and regression)
- Very good written and spoken English skills
- Initial experiences with neurobiological issues

Optional criteria:

- Good knowledge of Computational Neuroscience
- Experience in neuronal data analysis
- Familiarity with the versioning system git
- Experience with the analysis of large amounts of data
- Experience with open-source software development
- Team spirit

How to apply:

Party responsible for specialist area / point of contact for job posting: Prof. Henning Sprekeler - cognition@tu-berlin.de

Period of employment: immediately until 31.12.2027

Apply to: cognition@tu-berlin.de

Please submit your written application including cover letter, your CV, certificate of enrollment, and where applicable, current transcript of records, with the reference number to the place of employment indicated above.

In the interest of promoting equality opportunities for men and women, applications from women with suitable qualifications are particularly encouraged.

The vacancy is also available on the internet at:

<https://www.jobs.tu-berlin.de>

