



TU Dortmund University is a dynamic research-oriented university with 17 departments in the natural and engineering sciences as well as social and cultural sciences. On our international campus, around 6,700 employees make a daily contribution to solving pressing questions of the present and the future. Openness and diversity characterize not only the collaboration in research and teaching, but also in technology and administration.

Scientific assistant

The position is to be filled in the Faculty of Arts and Sport Sciences in the Institute of Sport and Sport Science as soon as possible for an initial full stop of 3 years. An extension for another 3 years is possible in principle. The possibility of a doctorate is given. Remuneration is in accordance with the collective agreement regulations according to pay group E 13 TV-L. This is a full-time position. Employment on a part-time basis or reduction to part-time is possible in principle.

You will join Tenure-track Assistant Professor Vahid Farrahi's group (website: <https://vahid.farrahi.science/>).

YOUR TASKS:

- Exploring the applications of different machine learning methods or developing new methods (including both deep learning and traditional approaches) for making sense of large-scale data obtained from wearable devices or wearable activity monitors
- Contribute to teaching activities in the amount of 4 semester hours per week for our English-taught MSc program in Sport Data Science
- Writing scientific publications
- Collaborating actively with other team members working in the same projects or on similar topics

WE OFFER:

- The support of experienced and enthusiastic machine learning experts and sport scientists where you can share your expertise and grow as an expert

- Team-oriented cooperation in a committed, international, and appreciative team
- A modern equipped workplace in a new building expected to be completed in early 2024 with fair and flexible working hours
- Cutting-edge facilities for human movement analysis

YOUR QUALIFICATION: We are looking for an enthusiastic, self-motivated scientific employee with strong interests in data-driven health and wearable technologies.

- MSc degree in biomedical engineering, data science, statistics, health sciences, information technology, computer sciences or other relevant fields with good grades
- Experience and background in signal processing, machine learning, and deep learning through research or course work
- Solid knowledge of programming in Python and R, especially for scientific computing
- Desire and demonstrated ability to take part in teaching data science and machine learning
- Fluent written and oral English skills and good communication skills, as well as strong communication and teamwork skills are required

The following is viewed positively:

- Experience in working with cohort or population-based studies
- Experience in movement behavior analysis and working with wearable devices, particularly wearable activity monitors
- Experience in scientific publishing
- Capability to do research or teaching independently

We promote diversity and equal opportunities. Convince us with your personality and expertise. Applications from women will be given preferential treatment in accordance with the legal regulations. It is pointed out that the application of suitable severely disabled persons is desired. If you are interested to apply, please send us your application including

1) cover letter, 2) CV, 3) previous degrees, 4) transcript of records, and 5) contact information for two references by January 09, 2024 in a single PDF file, quoting the reference number w112-23 to

Technische Universität Dortmund
Institut für Sport und Sportwissenschaft/Sekretariat
Otto-Hahn-Straße 3, 44227 Dortmund