

Data Analyst

Start Date: 1 Jan 2018 (earliest)

Job posting date: 27 Nov 2017

Duration: open

Deadline: Until filled

We are a spin-off company from ETH Zurich focused on magnetic materials and magnetic-based force sensors with applications on sports and health wearable devices. Our cycling powermeter collects never-seen-before data from the riders and opens the door to a new way of training. Our goal is to bring personalised training to everybody. We are looking for a candidate with experience on data analysis to work on the development of machine learning algorithms for generating custom-tailored training plans.

Requirements

- A MSc. degree in Computer Science, Software Engineering, Robotics, Physics or similar.
- Fluent in English, both written and spoken. Fluency in German, Italian or French or any other language and/or combination is a plus.
- Good programming skills in C and Python. Any other programming languages are a plus.
- Experience in data analysis
 - Robust knowledge of frequency domain analysis of signals.
 - Familiarity with classical system identification techniques.
 - Good understanding of Machine Learning concepts.
 - Automatisation of analysis processes.
 - Efficient algorithms implementation.
- Willingness to work in a young and dynamic environment.
- Strong analytical and problem-solving skills.
- Fixed short-term positions (e.g. internship) can also be considered upon request.

Tasks

- Development of algorithms for customised user feedback, i.e. personalised training.
- Identification of training parameters.
- Implementation of algorithms for seamless user experience in embedded and mobile systems.

Contact Information

For more information and applications send your CV, recommendations and motivation letter (max 1 page) to jobs@magnes.ch .