cereneo
foundation

DATA SCIENTIST

Research Assistant Level (80-100%) (M/F)

ABOUT US

The cereneo – center for interdisciplinary research (cefir) is a non-profit organization conducting clinical (applied) research and education in different fields including tele-rehabilitation and neuroscience of movement, language and cognition. With its close cooperation to the neurorehabilitation clinic cereneo, members enjoy direct access to this outstanding community of neuroscientists and clinicians. cereneo is a state-of-the-art rehabilitation and research facility devoted to a unique concept of rehabilitation of patients after stroke and other neurological disorders.

To support our interprofessional team we are looking for a: Data Scientist.

RESPONSIBILITIES

+ Assists in the investigation of measures of movement quality using motion capture and wearable sensors.
+ To develop production-level software that facilitates data collection and interpretation in the clinical environment.
+ To improve contextualization of activity monitoring for home-use applications.
+ Assist in setting a strategy (and implementation) for a new database architecture that integrates data generated from multiple mobile health devices.
+ Develop ad-hoc software applications for data analytics and visualization.
+ Write documentation of generated software tools.

SKILLS

+ MSc in computer science or equivalent (with strong mathematical and programming skills)
+ High-level proficiency in multiple programming languages with a strong foundation in languages such as Matlab, Mathematica, Python, R.
+ Demonstrated ability to develop production-level code (i.e. experience with source control, documentation, testability, etc.).
+ Knowledge of database structures (SQL, NoSQL).
+ Ideally, experience with motion tracking technologies (e.g. Qualisys, Vicon) and IMUs.
+ Very good English (must) and German skills (ideal).
+ Pro-active, organized and good team spirit.

WHAT WE OFFER

+ The opportunity to innovate and develop new ideas and concepts that will be used on a daily basis by patients, caregivers and therapists.
+ Work with state-of-the-art medical technologies.
+ The opportunity of working in a motivated and committed international team.
+ 1-year contract with the possibility of extension.

CONTACT

Please send your CV and motivation to join our team by mail to info@cereneo.foundation with the title: [jobs] – Data Scientist

cereneo center for interdisciplinary research, non-profit foundation
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