Medical Data Analysis – HIWI Job 1
Java/JavaScript Developer – HIWI Job 2

Our Profile:

The Joint Research Center for Computational Biomedicine (JRC – COMBINE) is a public – private research establishment for translational research in medicine and aims to link bench and clinic. Advanced data analysis and modeling technologies are required to extract relevant information out of the deluge of biological/clinical data generated and made available today. For more information about the research activities of the institute, please visit http://www.combine.rwth-aachen.de/index.php/research.html. The institute will move to a new office in Campus Melaten (Photonics Cluster, Maria-Lipp-Strasse) from May 2016.

Your profile in general

- BSc./MSc. student in Computer Science/Software Engineering/Bioinformatics or other related fields.
- Motivation to work in an interdisciplinary scientific field across engineering and medicine and ability to work independently.
- Good command over English.

Specific Skillset for HIWI Job 1

- Initial task: To help in the analysis, documentation of clinical data and modeling of complex diseases like Sepsis.
- Good programming skills in Python/R and being comfortable with the unix command line.
- Knowledge of medical terminology and German is a plus.
- Experience with machine learning/text mining and working with SQL databases is a plus.

Specific Skillset for HIWI Job 2

- Initial task: To port an existing tool in R to Java/JavaScript.
- Experience with Java/JavaScript is highly desired as well as knowledge of R.
- Good software engineering and documentation skills.

Our offer:

- 3 months (extensible) of 12 - 19hr/week. Flexible work schedule.
- Opportunities for a bachelor/master thesis/further projects available.

If interested, please send your application along with a CV to

For HIWI Job 1:
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For HIWI Job 2:
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