REDWAVE®
medical algorithms

Research assistant (m/f/d)
Biosignal processing + machine learning

for a growing medical technology company in Jena!

You can look forward to exciting projects and responsible tasks in a creative team.

You will have the opportunity to actively help shaping a young company and work in an agile working atmosphere.

YOUR TASKS

You will work at the interface of medical technology, AI and physiology

- Development of hybrid models for CO determination (physiological pulse wave analysis and data-driven ML methods)
- Extraction and processing of relevant features from noisy biosignals
- Validation of models in terms of accuracy, robustness and generalizability
- Support in the design of new algorithms and prototype development
- Conducting patent searches

YOUR PROFILE

You are enthusiastic about innovative medical technology and have:

- A degree (master's or doctorate) in computer science, medical technology, physics, mathematics or related fields
- In-depth knowledge of machine learning, especially with experience in biosignal analysis
- Practical experience with PPG and blood pressure data
- Programming skills (especially C/C++, Python, MATLAB, R)
- Analytic thinking, ability to work in a team and interest in translational research
- Ability to work independently and on your own initiative
- Language skills: Business fluent German, English C1- to C2-level.

WE OFFER

- Collaboration on a forward-looking project with high social relevance
- An interdisciplinary field of research
- Flexible working hours and modern infrastructure
- Opportunity for further academic qualification
- A collegial atmosphere with flat hierarchies and short decision-making paths

WE LOOK FORWARD TO HEARING FROM YOU!

Starting immediately | limited until August 31, 2027 | full-time

Please send your application to :
karriere@redwave-medical.com