

COMPUTER ENGINEER (C++)

Mission & Company Introduction:

Porous GmbH was founded in 2021 with the goal of inventing a product that will revolutionize osteoporosis diagnostics worldwide using intelligent algorithms and harmless ultrasound.

In the near future, Porous will move to a brand-new location at the Potsdam Science Park, which can be reached from Berlin in about 30 minutes by public transportation. Due to COVID, mobile working will be deeply integrated into the company culture. You will be one of the first team members which will give you the opportunity to move a lot yourself and you can take away a lot for yourself. We embrace innovation, curiosity, and flexibility.

With this position we expect you to:

Porous is looking for a highly skilled Computer Engineer who is comfortable with writing C++. Matlab code, created for research purposes, needs to be improved and rewritten into professional C++ code. The code must be converted into object-oriented structures and the processes need to be parallelized or transferred to a GPU processing.

Other interesting topics are the implementation of a new ultrasound measurement methods, hardware programming, optimization of data acquisition, real-time image reconstruction, data processing by parallel and GPU supported methods and cloud-based data analysis.

Optimally, you already have experience in the medical sector and are familiar with the typical regularities. If you thrive in an energetic environment and are passionate about empowering the small business owner, we would love to meet you!

Your role and responsibilities:

- Development of software applications for medical ultrasound technologies
- Optimization and improvement of analysis routines. Especially parallel and GPU methods will be necessary
- Ensuring the entire stack is designed and built for speed and scalability
- Development and implementation of algorithms for signal processing
- Improvement and adaptation of Matlab functions and code transfer to C++

Your skills:

- Completed university degree in the field of information technology/computer science (or another comparable discipline in combination with comprehensive knowledge of computer science)
- Proven working experience in software engineering
- Comprehensive programming knowledge in high-level languages (preferably C/C++) on Linux und Windows platforms
- Experience in the use of RAD tools such as MATLAB
- Proven experience in embedded systems design with real-time applications
- Proficiency with Git
- Appreciation for clean and well documented code
- Experience implementing testing platforms and unit tests
- Good understanding of the German and English language



Porous offers:

- An international high end MedTech start-up environment where your work makes the difference for Osteoporosis patients.
- A gross monthly salary depending on your experience, knowledge of the field, etc.
- 25 Holidays
- And more....the perks of a start-up!

Interested?

If you are interested, please contact Jonas Massmann by sending you resume and introduction letter to jonas@porous.care