Full Stack Engineer

Full-time, Houston, TX.

At NordicNeuroLab Inc. (NNL), in collaboration with our sister company, NordicImagingLab (NIL), we take pride in developing high-quality, regulatory compliant products for the medical market. We focus on providing leading hardware and software products that will improve the standard of care in brain imaging within the MR environment.

We live by one motto: shaping the future of neuroimaging.

We have teamed up with the #1 ranked Cancer Hospital in the US located in the Texas Medical Center, and in this role, you will be working on an NIH-funded project aiming to develop a clinical functional MRI software solution to enable mapping of critical functional networks and cerebrovascular reactivity in the brain. Your primary responsibility in this project is to translate and implement clinically vetted algorithms to nordicMEDiVA - our state-of-the-art image processing platform.

What we offer

- Travel opportunities to Norway for training with the NIL team.
- Close collaboration with clinicians at MD Anderson.
- Continued career opportunities after project completion for the right candidate.

Desired skills

- A MS or PhD in biomedical engineering, computer science, mathematics, medical imaging, medical physics, or physics and related fields.
- Familiarity with image visualization (knowledge of OpenInventor SDK or OpenSceneGraph is a big plus, but not a requirement)
- Familiarity with machine learning, image processing, or signal processing
- Strong communication and teamwork skills
• Experiences in software development and working with modern applications. Skills in the following will be weighted:
  o C++, Python
  o Qt, CMake, Standard Template Library
  o Web front-end technologies and frameworks (Vue, React, Angular)
  o Docker, Kubernetes
  o Git
• Fluent in English, written and spoken

Optional skills

• Familiar with agile work methodologies
• Knowledge about MRI or medical imaging

Your tasks

• Implement advanced algorithms for image processing
• Implement 3D visualization tools and specialized front-ends
• Produce technical documentation required throughout software development cycle. Prior knowledge in this is not required.
• You will assist in testing and validating the software
• Implement automatic unit and integration tests
• You will work onsite in Houston, TX but also remotely together with the nordicMEDiVA development team in Norway

Please send cover letter and resume or CV to:
Cathy Elsinger cathy@nordicneurolab.com