



Development engineer with a focus on algorithms that save lives and improve life quality

As many as one in ten children are born preterm today and many of them need intensive care. Their lungs are not fully developed and therefore they risk serious illnesses and complications that can lead to lifelong disabilities. At Neola Medical, we develop a medical device for continuous monitoring of the lungs of preterm born babies. With the device, doctors and nurses can be alerted early in the event of complications, the child can receive rapid care and greater opportunities for a better life. If you want to work with algorithms, signal processing and verification that make this possible, contact us!

Your next challenge?

If you want to be part of our team that develops a groundbreaking new medical device for preterm born infants based on advanced technology for optical gas measurement, this is the position for you. Your main task will be to strengthen our development and implementation of algorithms in the product to continue the optimization of our instrument's performance. To accomplish this, you will be analyzing data from both instrument tests and clinical trials. Increasing the clinical value of our product by further improving the algorithms is a task that is central to our development of our medical devices. You will collaborate with doctors, researchers, and technical specialists, and develop in accordance with the medical device regulations and have the small patients in focus. You will also work with verification of the requirements of the product and its components, during design and production, as well as assembly of modules and complete product.

Who are you?

You are passionate about data analysis and to develop and implement smart algorithms to interpret measured data when using our instruments. You are also used to testing and can work with verification of electronics, mechanics and, to some extent, optics. As an engineer you have a general technical understanding and problem-solving skills. You are able to plan, perform, evaluate and report structural testing. You also appreciate working hands-on with assembly and mechanics and electronics.

You are self-driven and focused on delivering results. You are curious, enjoy learning new things and are focused on solutions that also work in the long run. You plan your own tasks from start to finish, communicate, follow up and troubleshoot. You manage many tasks simultaneously and are prepared to be involved in diverse tasks, as you do in a small company, as a part of the team. We believe that you have worked for one to three years with data evaluation and algorithms or are a recent master's level graduate with a specialization in mathematics, statistics, algorithms, signal processing, machine learning or similar. If you have experience of software development either during your education or as a developer on an assignment, it is an extra advantage

Your experience and competence

- Experience with data analysis and algorithms
- Master's degree with a specialization in mathematics, statistics, algorithms, signal processing, machine learning or similar
- Experience with tools for analysis and statistics of data
- Experience of evaluation of developed algorithms



- Experience of reporting conclusions at a detailed and at a comprehensive level
- Experience of project management
- Experience in problem-solving and verification
- Experience of or interest in, for hands-on work with assembly of components
- Experience of software development in an embedded or PC environment is an extra advantage
- Fluent in English in speech and writing (Swedish not necessary)

What do you find with us?

You will be part of an exciting and developing journey to bring innovation to the patient and we promise to help you grow, both personally and professionally. We believe in self-leadership where you take responsibility for achieving great results. Development is not just our business, it is our passion. You will work with knowledgeable colleagues and be involved in developing medical devices that can save lives and improve life quality. The position is a permanent full-time employment based in Lund. We receive applications and interview on an ongoing basis.

Are you interested in becoming a part of our team? Apply for the position today by emailing your CV and personal letter to Sara Bergsten, CTO at Neola Medical, at sara.bergsten@neolamedical.com. For questions about the position, you are welcome to call Sara on 0765-257996.

We evaluate candidates for the position continuously.