



Summer intern 2022 - InPhase Solutions AS

About the position

InPhase Solutions AS is looking for one or more intern(s) for the summer of 2022. At InPhase we work with applications of ultrasound technology within a wide range of fields, such as: antifouling on marine structures, downhole drilling, medical and non-medical imaging, flow measurements, corrosion surveillance, thickness measurements, wireless transfer of energy and data, material inspection and flaw detection and classification of fish. We work with many different clients, but we also pursue and conduct our own development projects.

As a student summer intern, you will be engaged in our development projects, working under the supervision of the project manager. Tasks may include, but are not limited to, electronics, lab experiments, algorithm and software development, numerical computation, documentation and reporting. As a summer intern, you will be expected to follow initiatives and tasks independently, and report to the project manager. You will be involved in the day-to-day operations like any other employee, e.g. take part in and report progress during our weekly meetings.

As an intern, you would ideally be working from our office at Hornebergveien 7A in Trondheim. Due to the vacations of our employees, we are aiming for an internship in or around June, but we are open for other suitable arrangements.

Who are we looking for?

We want enthusiastic and independent people, preferably with a background from:

- Electronics (namely analog circuit and embedded systems design)
- Computer science
- Physics or biophysics
- Cybernetics

Candidates should have started their master's degree, and have some experience in one or more of the following fields:

- Signal processing/analysis
- Ultrasound, acoustics or wave propagation
- Image processing / computer vision
- Machine learning / artificial intelligence
- Software development or scientific programming (e.g. C++, Python, Matlab)
- Laboratory experimentation

Practical

All applications received prior to **March 1st, 2022** will be considered. After this date, you can still reach out to us - we are always interested in getting to know relevant applicants for existing or upcoming vacancies. If you have questions or want to apply, please contact Eirik Hofstad Klette (General Manager) at eirik.klette@inphase.no or +47 418 52 706. Applications should include a CV, a letter of application and your university transcript and grades. For more information, you can also visit our homepage: www.inphase.no.

About InPhase Solutions AS

At InPhase we want to create interesting and fun jobs through developing technology. Our vision is to be an internationally reputable provider of ultrasound technology expertise and solutions. We are a technology development and consulting company providing ultrasound, acoustics, algorithm development and signal processing solutions within medical, maritime, oil & gas and industrial technologies.

Our team is highly competent, holding MSc or PhD degrees, with extensive experience from academia and industry. We are a strong multidisciplinary team that combines an academic/analytical approach with industrial and business-oriented thinking in order to develop new cutting-edge technology and improve existing products. We see our colleagues as the company's greatest assets, and this attitude permeates every aspect of our business and our values. All employees are offered the opportunity to become shareholders, a family friendly work environment with flexible working hours, their own office, and a good pension offering.

Our expertise ranges from general acoustics, signal modelling and analysis/processing, algorithm development, image processing, transducer design and manufacturing, Doppler methods and hardware electrics to system evaluation, technology implementation and complete system design and development.

We have been working in several different industries such as aquaculture, aluminium, oil & gas and medical industry. InPhase offer comprehensive development projects with product delivery, project management of technology development projects, and consultancy work within ultrasound, acoustics, algorithm development and signal processing.

The company headquarters are in Trondheim, Norway - but we have consultants located elsewhere in Norway and Netherland as well. Trondheim is internationally renowned for its vibrant ultrasound research and technology environment.