



Summer intern 2023 - InPhase Solutions AS

About the position

InPhase Solutions AS is looking for one or more intern(s) for the summer of 2023. At InPhase we work with applications of ultrasound technology within a wide range of fields, such as 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 a project manager. Tasks may include, but are not limited to, image processing and classification (i.e. by means of machine learning), testing, lab experiments, algorithm and software development, and documentation of your work. 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 will 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 or earlier, but we are open to other suitable arrangements.

Who are we looking for?

We want enthusiastic and independent students starting their 4th or 5th year and have education in and preferably some experience in one or more of the following fields:

- Machine learning / artificial intelligence – Python PyTorch
- C++ real-time programming, multithreaded, hardware control
- Testing (C++ / Python)
- Signal processing / analysis
- Ultrasound, acoustics, or wave propagation
- Image processing / computer vision
- Laboratory experimentation

On a personal level, we are looking for someone who feels connected to our company values:

- *Participation* – Value and maintain a culture with open discussions, different points of view and a flat hierarchy.
- *Sustainable* – Seek sustainable, long-term solutions – for our clients, for the environment, for work-life balance and company operations.
- *Re-think* – Value curiosity, creativity, and open-mindedness. Be innovative and view challenges from several angles.

- *Skilled* – Value each other, both as individuals and as a team. Be aware of our expertise and limitations, and continuously learn.
- *Symbiotic* – Make the team succeed. Be flexible, helpful, and collaborative towards our clients and colleagues.

Practical

All applications received before the **1st of March, 2023** will be considered. After this date, you can still reach out to us - we are always interested in getting to know suitable 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, aluminum, oil & gas, and the 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. Trondheim is internationally renowned for its vibrant ultrasound research and technology environment.