

Position for
Development Engineer Intern
(part-time, 20-30hrs/week, f/m/x)

Planblue is a diverse team of visionary entrepreneurs and engineers whose mission is to protect, explore and reveal the unknown 95% of our ocean by using cutting edge technology. We have developed our planblue technology which consists of AI backed software coupled with an underwater camera system and allows automated systematic monitoring of seafloors (e.g., coral reefs, lakes, oceanic shelves), providing geo-referenced maps. The maps can be used for various applications, for underwater constructions (e.g. off-shore wind), but also aid in reducing the ecologic and economic impact of e.g. climate change or plastic waste in the ocean.

Our team currently goes through an exciting time. For us, new ideas and thinking outside of the box are highly valuable, as they have led to our recent successes. We all have different fields of expertise and responsibilities, but still strongly believe in teamwork to reach our overall goals. Bremen, where we are located, is a hotspot for state-of-the-art underwater and space technologies, and offers a great lifestyle.

We currently offer an internship position to integrate a new class of imaging sensors for our next generation hardware platform. This task specifically will involve working with a USB class cameras interfaced to an embedded linux machine, analyzing the necessary driver for the camera control and develop appropriate control software for integration and testing. The expected duration of this task is 3-4 months.

At the moment we can only offer this position to enrolled students who must complete a mandatory internship as part of their university curriculum with a duration of 3-4 months. The position is part-time, 20-30hrs/week, depending on your availability. Preferably you are situated in or close to Bremen, but remote work is also possible.

Responsibilities:

- Setup and prepare the necessary development environment in Linux.
- Quickly get familiar with the imaging sensor, its control protocol and develop control software in any of the preferred language C, C++, Python, Nodejs. Exposing the features and capabilities of the camera.
- The end software application must be built with good software practices, clean architecture, separation of concerns, documentation wherever necessary.
- Extended scope would be to allow for the control software capabilities to handle multiple cameras possibly with synchronization.

Minimum Qualifications:

- Background in Computer science, Electronics, Embedded Systems MSc or comparable.
- Comfortable with software development and plus is hands-on hardware experience.
- Good to have experience with industrial cameras and understanding of imaging parameters.
- Excellent communication skills in English for work and German for socializing.

Preferred Qualifications:

- Independent
- Proactive
- Self-motivated
- Hardworking
- Willing to learn and grow
- Clear communication
- Likes challenges

What we offer:

- Opportunity to demonstrate your skills while contributing to our cause of helping our oceans.
- Be part of an international entrepreneurial group of people who strive for diversity and love input from all team members
- A bright office between Unisee and Mensa with free coffee, drinks, organic fruits, a shower and music
- Flexible working and home office hours

Does this sound interesting to you?

We look forward to receiving your motivation letter, CV, links to your work and/or other information you might find relevant. Apply at <https://planblue.join.com/jobs/3638912-development-engineer-intern-f-m-x>