

Internship Product Design

Preferred starting date: 1 July

Period: 2- 4 months

Location: Aerospace Innovation Hub, Delft

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About the company

Bladesense is a young but fast-growing deep-tech start-up with big ambitions. We are developing digitization and automation solutions for the Aerospace MRO (Maintenance Repair and Overhaul) with the goal of enabling a more efficient and more sustainable aviation market. We build our own algorithms and software for 3D positioning, 3D scanning, 3D cloud manipulation, and 3D model interaction. Our ambition is to become the worldwide leader provider for 3D digital twinning solutions in the aerospace industry (and beyond).

Our team consists of engineers that are passionate about the technology and solutions they develop. The only time most of us are not thinking about the technology is when we are asleep, and sometimes even then. Our members have a background in aerospace engineering with specializations in mathematics and robotics from leading European universities. Our office is located on the TU Delft campus and we have team members working remote from ETH Zurich and KU Leuven.

We have set our sights on a fully digitized and automated inspection stack for the next generation of transportation infrastructure by the end of the decade. To implement this vision, we work closely with established industry partners, research institutes, academia and other startups. In these different frameworks, we work on multiple projects with different methodologies; We have ongoing research projects with research institutes, development projects with other innovative startups and pilots of our solutions with interested industrial partners.

Your role

You'll be working on the design of our first hardware product, directly under the leadership of our founders. The product will exist of a selection of miniature sensors, processing electronics, batteries, and an external interface which have to be integrated into clean, small packaging. Your job is to make several designs for this packaging for different possible use cases taking into account all requirements and constraints. This includes activities such as ideation, sketching, CAD design, 3D printing, and assembly in a high-pace iterative process.

What do we expect from you

- Experience with CAD design and prototyping.
- A willingness to pick up and learn new concepts quickly and to self-acquire missing background knowledge.
- A high degree of autonomy, determination and grit in making cool technology into a real-world product.
- Quickly iterating on designs based on feedback and testing results.
- Interest in product design and packaging.

What can we offer?

- 500 euro monthly compensation.
- (Really) flexible working hours.
- Have a direct and significant influence on a highly innovative product.
- The opportunity to take technical risks, to implement stuff the 'right' way and to iterate quickly with tight feedback loops. We are innovating, learning is to be expected.
- Responsibility over the things you implement, you are the expert on what you design and build.

The application procedure

1. If after reading the above you are convinced you are the right person for the job, send us some information about yourself; include a CV and a portfolio about design projects you've already done. This can be from past work experiences or academic projects but definitely include personal projects as well.
2. We'll get back to you ASAP. If we feel you could be a fit for the position, we'll invite you for an informal introduction at our office so we can get to know you, and equally important, you can get to know us.
3. If at this point we feel you are the person we are looking for, we'll discuss the specifics (starting date and period).
4. Welcome to the team!