

INTERSHIP OPPORTUNITY

Agronomic engineer

COMPANY

3D Aerospace (www.3daerospace.eu) is an European young start-up established in June 2018. We are located at Toulouse (France) in Montaudran and are developing an innovative new generation of GNSS (GPS / Galileo) mapping receiver.



The company is based on equality gender, positive working atmosphere, hard work transparent communication and continuous improvement. We want to propose a safe environment to make innovation happens. At 3D, failure is perceived as an opportunity to learn and improve and is accepted as long as a rigorous and structured work is applied.

3D Aerospace is currently developing two brands, DeVines and GaliGo. DeVines is part of the precision viticulture market, which brings together all the technological innovations related to viticulture. With DeVines, we offer an all-in-one solution, which combines several services in a single tool. GaliGo, our second brand under development, is part of the connected cities market. GaliGo offers a real-time updated traffic mapping solution and delivery network optimization.

YOUR ROLE

During the period of the internship, you will have the opportunity and responsibility to work on three main topics:

1. Literature review and definition of the targeted precision viticulture services

3D Aerospace platform is made of an accurate GPS receiver (submetric accuracy), an array of cameras and wireless connectivity. During this first part of the internship, you will have to get familiar with the current design of the mapping device as well as the current vineyard owners' pain points by:

- Getting familiar with the technology developed by 3D Aerospace.
- Assessing the benefits of the technologies for viticulture applications.

This first phase is scheduled for the initial month of the internship. Following this phase, the following outputs are expected:

- Clear understanding of the ecosystem of 3D Aerospace technology
- Assessment of the current viticulture problems related to vineyard quality, monitoring, assessment and diseases which can be solved thanks to 3D Aerospace technology
- Assessment of the future viticulture problems which can be solved thanks to 3D Aerospace technology (impact of global warming, shortage of water...)
- Selection of the retained viticulture services to be offered by 3D Aerospace

2. Development of test protocols to deploy and assess the technology into vineyards

During the second phase of the internship, you will have the following responsibilities:

- Quantify and qualify the test objectives to assess the technology for the retained viticulture services.
- Communicate internally to the engineering team about the test requirements from the viticulture aspect
- Coordinate externally with our customers for the test preparation and execution
- Lead the test in the vineyard during the test campaign
- Write the test report at the end of the test campaign

3. Development of the DeVines services

Finally, you will also be involved in the development and implementation of the overall DeVines system with some significant collaboration with the design team for the UX/ UI in order to display the data collected during the test campaign, with the vision team to assess the quality of the pictures and their interest and with the communication team in view of launching the commercialisation of DeVines.

ADDITIONAL INFORMATION

Location: 3 Avenue Didier Daurat, 31400 Toulouse, France

Internship Duration : 6 months starting from February / March to End of August / September 2022.

Working Language: English

Internship allowance: about 575.50€ per calendar month (3.90€ per hour)

Contact email address: contact@3daerospace.eu

Working conditions: 3D Aerospace is a small team of passionate and hard worker people. Our small size is actually one of our main strengths as it provides agility, flexibility and a sense of family-size company. Our organisation is based on daily scrums and monthly milestones review.

Application process: One case study to prepare offline and an one to one interview with 3D Aerospace core team.

Follow-on possibility: Following the completion of the internship and based on satisfactory results during the internship you could be offered job opportunity at the company.