Vacancies

SOFTWARE

Lead Software Engineer

Software Engineer

Test Engineer

Lead Software Engineer

Position

Full-time, Software

Your Job

As the lead of a subteam you are responsible for the output of your subteam. This means you work closely together with management to plan the project as well as with other leads. You show and explain your results to the rest of the team and ensure communication between your subteam and other subteams.

The software subteam has the main goal to make drones fly autonomous. This comprises localisation, path planning and avoidance. Furthermore you work on our mobile application, autonomous decision making and you integrate different modules in ROS (Robot Operating System).

As the software lead you keep an overview of the software architecture and of all the different ROS modules. You work closely together with the hardware subteam to implement for example sense and avoid. Together, you test different sensors, sensor configurations and different algorithms to ensure the best possible obstacle avoidance.

Profile

You love programming and are eager to apply your knowledge to real life applications. You get excited by the thought of making drones fly on their own; you prefer **not** learning to fly as it will be autonomous in just three weeks anyway.

You like to collaborate and you want to bring out the best in people. You take responsibility and initiative, and you are not afraid to make critical decisions..

Asked

Required

- Experience in C++ and Python

Nice to have/be

- Communication and Organisational skills
- No 9 to 5 mentality
- Stress resistant

Offered

You will have a unique opportunity to see your code come to life. You will learn to work with ROS and gain valuable experience about autonomy. Furthermore you will improve your leading and organisational capabilities.

Software Engineer

Position

Full-time or Part-time, Software

Your Job

The software subteam has the main goal to make drones fly autonomous. This starts with Ultra Wide Band (UWB), a localisation system from Focus, one of our partners you will work closely with. Secondly, you will write your own code to plan a safe path, avoiding obstacles, for the drone to its goal. Next, you will implement sense and avoid by using sensors to avoid obstacles. Last you will implement autonomous decision making by integrating all the different software modules into ROS (Robot Operating System). Besides this you have the chance to connect your drones to the mobile application. This makes it possible to see what the drone is doing and give commands to the drone, all through the app.

Profile

You love programming and are eager to apply your knowledge to real life applications. You get excited by the thought of making drones fly on their own; you prefer **not** learning to fly as it will be autonomous in just three weeks anyway.

Asked

Required

- Experience in C++ and Python

Nice to have/be

- A problem solver and bug fixer
- Creative
- Affinity with autonomy

Offered

You will have a unique opportunity to see your code come to life. You will learn to work with ROS and gain valuable experience about autonomy. Furthermore you will be in close contact with partner companies as Fourtress, Focus and Tiobe. They are eager to help us and you can learn a lot of their professionals.

Test Engineer

Position

Full-time or Part-time, Hardware/Software

Your Job

As a test engineer, you will test and evaluate different components and combinations of components, as well as fully functioning drones. You will setup test plans, and execute these tests. You will fix minor problems that you come across during the tests, and you will report these back to the related sub-teams. This puts you in a key position in the team, because you are the one in charge when problems occur (as you probably have experience with these problems from testing). You will work on the interface between hardware and software.

Profile

You want to be in a central position within a team, where you have broad knowledge of all components and their functioning. You like to communicate to people and explain how the components work, but you can also listen to your colleagues to determine what should be tested. Besides, you are also comfortable working individually and independently. You have excellent problem solving skills and you like to find "the needle in the haystack".

Asked

Required

- Basic electrical and mechanical engineering knowledge
- Basic software engineering knowledge
- Problem solving skills
- Communication skills

Nice to have/be

- Affinity/Experience with drones
- Experience with testing methods

Offered

You will have a great opportunity to gain a lot of broad knowledge on everything that has to do with robotics, software and hardware. You will have the chance to work with new advanced technologies from our partners and will develop unique skills by working with their state of the art soft- and hardware.