



We take research – and ourselves – to the highest levels.

Change starts with us.

## Student assistant for the development of a user interface for multi-drone applications in Ingolstadt

### Are you interested in advancing the use of autonomous unmanned aerial vehicles?

The research group “Autonomous Systems” continuously develops and investigates methods and algorithms to ensure the efficient and collision-free operation of autonomous drones in shared airspace.

### Your tasks

In the development stage, both simulations and real test platforms are needed to test and demonstrate the functionality of algorithms. As a student assistant, you will take on independent tasks and primarily work on building a user interface for multi-drone applications. This interface is intended to serve as a Ground Station in the future to coordinate the simultaneous operation of multiple development drones. Additionally, you will be involved in commissioning the development drones and the Ground Station, as well as participating in some flight experiments.

### Your profile

- enrolled in a study program in engineering, preferably in the fields of computer science, electrical engineering or information technology
- programming experience in C++ and Python, experience with ROS is desirable
- experience in creating user interfaces (ideally with Qt Creator)
- very good academic performance
- structured, independent and results-oriented style of work
- ambition, creativity and commitment in everyday work

### What you can expect

- challenging tasks in highly relevant and application-oriented subject areas
- interdisciplinary research on future-oriented technologies
- flexible working hours
- modern research infrastructure
- insights into possible topics for internships and theses
- an open and cooperative working environment

Interested? Apply online now under the requisition number **IVI-Hiwi-00727** and send us your meaningful application documents. We look forward to getting to know you!

If you have any questions, please contact:  
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You can find more information on the institute online:  
[www.ivi.fraunhofer.de/en](http://www.ivi.fraunhofer.de/en)



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