HiWi Wanted!

The Software and Systems Engineering (i4) is looking for a research assistant to work on the topic:

“Visualization of drone safety incidents”

The main resource to analyze a drone’s accident is the flight logs generated by the autopilot. In this project, you will visualize the logs of the crashed drone in order to find better understanding of the events happened before the crash. The logs are signals, which are generated by sensors, actuators and other components of the drone. The visualization tool cannot be evaluated effectively unless it is used by the drone’s user community. Thus, the visualization application will be deployed as a cloud service on the web, in order to get feedback from world-wide users of the drones.

Tasks
1. Design and develop a visualization tool for existing drone logs
2. Deploy the application on the web and gather feedback from the world-wide drone users
3. Submit user manual and documentation of the tool + report findings from (2)

Requirements
1. Experience in working with data visualization APIs
2. Experience in web application and cloud service development
3. Basic knowledge of robotic systems

Starting as soon as possible. The working time is flexible and should amount to around 10 hours per week. The contract being initially set for 3 months, with extension possibility.
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