

Sensor System Control Engineer

Flugilo is a young startup based in Hamburg originating at the NIT. We are working to reduce the number of accidents that occur when moving aircraft on the ground using a hardware sensor technology. We have recently been accepted into the 6 months aerospace accelerator where we will have access to funds, experts, and testing environments for our product. We are in the design phase of our next prototype iteration and are looking for help in the area of sensor data processing, programming, controls, and general mechatronics and electrical engineering. In addition, we are looking a motivated individual who has the drive to build a company from the ground up to join our founding team.

Specific topics include:

1. Implementation of sensor in experimental environment (project work topic)
2. System level design parameters (weight, size, cost, power requirements, ect) (project work topic)
3. Sensor data processing algorithm (thesis topic)
4. Validation and Verification of Sensor System (thesis topic)
5. System calibration based on natural landmarks (thesis topic)

Project work or master thesis topics could be done with our startup through cooperation with the IFPT at the TUHH, cooperation with other institutes may be possible

What we are looking for:

- Able to work and carry out tasks independently
- Background in electrical engineering and/or computer engineering
- Programming experience in Python, C++, Matlab beneficial
- Interest in Entrepreneurship/Start-ups

Please contact alex and andrew to apply:

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What we offer: Project Work & Potential Master Thesis Topics

Starting date: As soon as possible

Pay: 450€/month negotiable based on experience

Other opportunities: We are currently looking for a third founding member to be a part of our team permanently. This opportunity can be discussed if interested.

This project offers an exciting opportunity to build a project, a product, and a company from the ground up. You would have the responsibility of organizing and executing your goals. Learn first hand what it is like to build a company and work in a Start-up environment. Not to mention we have access to beautiful office space including design thinking rooms and a view of the Elbe.