

»Maybe tomorrow my kitchen knows what I would love for dinner.«

Sebastian
Trainee Sales



Tomorrow is our home.

Start swiftly and grow fast at BSH Home Appliances Group: As a leading manufacturer of home appliances and solutions, we move things forward to make people's lives easier. With our global brands Bosch, Siemens, Gaggenau and Neff as well as our local brands, there is a world of opportunities for you to discover. We encourage people to develop their potential and never stop learning. After all, we believe that great work is the result of doing what you love. Join us now and give your career a home.

Master Thesis: IMU-Based Localization in Washing Drum (m/f/d)

BSH Hausgeräte GmbH | Full time / Part time | from October 2024
Berlin

YOUR RESPONSIBILITIES

Do you already have theoretical specialist knowledge and would now like to supplement this with practical experience in a dynamic company? Then support us with your talent and know-how in the following tasks

- / Design and implement an actuator system capable of moving an IMU sensor along a defined trajectory within a rotating washing drum
- / Develop and deploy a control algorithm for the traversing mechanism on an embedded system
- / Conduct a series of experiments to collect IMU measurement data under various conditions
- / Implement a localization algorithm, apply it to the collected data, and validate its accuracy against the predefined trajectories

YOUR BENEFITS

- / Company-oriented handling of current topics
- / Personal contact person
- / Appreciative working atmosphere

YOUR PROFILE

- / Bachelor of Science degree in Electrical Engineering, Mechanical Engineering, or a similar field with a focus on control theory and embedded systems
- / Proficiency in control systems, embedded systems programming, mechanical design, and data analysis
- / Prior experience with microcontrollers, sensor integration, state estimation algorithms (Kalman filter, particle filter) is highly desirable
- / Personal skills: high level of teamwork, creativity, initiative and independence
- / Fluent in German and English

FURTHER INFORMATION

Please visit bsh-group.com/career. We would love to welcome you in our team!

Find a new home for your professional ambitions:

Apply online now

BSH IS AN EQUAL OPPORTUNITY EMPLOYER

At BSH, diversity and inclusion are core values that shape our corporate culture. We appreciate everyone's uniqueness and see the diversity of our employees as key to our success. Regardless of gender, origin, religion, sexual orientation, disability, or age, we wholeheartedly welcome every single application.

