



**APPLY NOW!**



Bachelor's thesis

“Validation of an Automatic RGB Camera Calibration System” m/f/d



What does a student do

at Scope Sorting?



You **boost** an **interdisciplinary team** and **work** with colleagues, who are **experts** in software engineering, data science, machine learning, mechanical engineering, mechatronics, and biology.

We love to work with **RGB cameras**, but sometimes it is quite difficult to calibrate them manually. Thus, we need an **automatic RGB camera calibration tool**. We think you **have the right idea!**

You and your team are **developing a product**, that will **solve the world-wide plastic waste problem** and **revolutionise the AI world**.

Something sounds new to you? No problem! Try out **new and exciting technologies**, **broaden your horizon** in meetings, and **advance yourself** and the team – all this **at Scope Sorting!**

## Your profile and your tasks!



### Your profile:

- Student of Mechatronics, Mechanical Engineering, Optical Engineering, Machine Learning, Data Analytics, Software Engineering, and Media Computer Science
- Skills in Python
- Knowledge of using a microcontroller
- Willingness to learn
- Showing interest in AI projects

### Your tasks:

- Design of a model with a Raspberry Pi
- Adapt your model into our product
- Create a safety solution for lens
- Write a manual, where we can understand what you have done

What do you get from us?



**CREATE YOUR OWN  
WORK-STUDY BALANCE**



**BROADEN YOUR HORIZON,  
WE LEARN FROM EACH OTHER**



**THINK BIG! WE LIKE  
YOUR IDEA**



**WORK WITH AN  
AWESOME TEAM**



**ARE YOU A (WO)MAN OF  
ACTION? SAME HERE!**



**GET THE START-UP  
FEELING**



**CHANCE OF PERMANENT  
POSITION**