

Adrian Kleimeier

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Affolternstrasse 44
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Application for an internship (Reference Number SG75549063_E3)

Dear Sir or Madam,

with great interest I have looked through the job offers for internships on your homepage and hereby I apply for an internship in your company (Reference Number SG75549063_E3).

I successfully completed my Bachelor's degree in Industrial Engineering and Management at the Leibniz University of Hannover in August 2017. During my studies, my field of interest shifted more and more to robotics and mechatronics. After my Bachelor's degree, I therefore switched to the Master's programme Mechatronics & Robotics. The choice of subjects in this Master's programme can be very individually designed, so I have been able to gain insights into many different areas of robotics, in particular mobile robotics, image processing, as well as the concepts of machine learning and automation technology.

From March 2019 I worked for half a year as a research assistant at the Institute of Measurement and Control Engineering at Leibniz University. Here I took over tasks in the area of processing image measurement data with the help of Python.

Currently I am writing my student research project in the field of mobile robotics. The aim of the thesis is to develop a continuously updated program to predict the local occurrence probabilities of persons and to use it for route planning of a mobile service robot. The work is carried out by integrating the Robot Operating System ROS.

My increased interest in the topic of web development resulted in the participation in an online course, in which I acquired the basics in CSS, JavaScript, HTML as well as node.js. I also gained insights into working with database systems, such as MySQL and MongoDB.

This semester I am also attending a laboratory at the university, which deals with the topic of collaborative robots. The lab includes an introduction to app-based programming of modern robotic systems, the implementation of an impedance control for a robot joint, and collaborative robot programming in C++.

I have the ability to quickly familiarise myself with new topics and am very interested in constantly expanding my skills and knowledge. I speak English and have completed a level B2 language course in Italian during my semester abroad in Rome last winter semester.

I look forward to an invitation to an interview.

With kind regards,

Adrian Kleimeier