

# C++/Python-Developer in Autonomous Driving and Remote Assistance

Student Research Assistant

Autonomous Driving

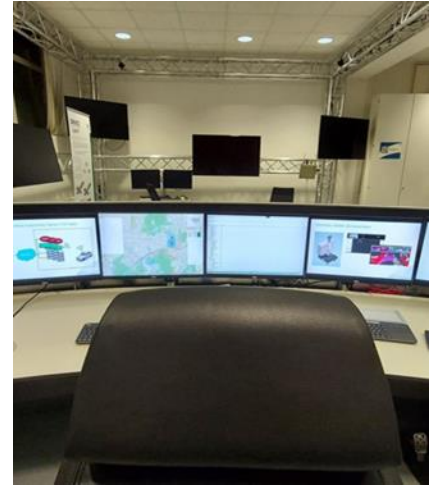
Programming

C++

Python

ROS1/2

Autonomous Driving in public traffic is more present than ever. Autonomous public transport shuttles or even self-driving consumer cars are nothing new. Together with control desks that support autonomous vehicles from remote the autonomous driving future is now. Our group at FZI develops and researches innovative and new concepts in autonomous driving. We evaluate our research on autonomous vehicles (passenger car and shuttle busses) in real traffic and on our control desk. For this we are searching for student programmers.



## The Topic

- By taking part in test drives with our shuttle busses in real traffic, you get an idea of the vehicle's and of our software's capabilities
- You will acquire the programming skills you need for the job (e.g. C++, Python, ROS1/2)
- You will also get familiar with autonomous driving in general and with special methods (e.g. planning, object recognition, ...)
- You will be programming parts of the autonomous driving software, like perception, planning, condition monitoring, remote operation, etc. under supervision of a researcher

## Your Skills

- You study Computer Science or a related discipline
- You are deeply interested in topics such as Autonomous Driving, Robotics, Programming
- You are able to read and write scientific texts in English
- Programming (e.g. in Python/C++), working with ROS and Linux isn't new to you
- You show an above-average degree of initiative and commitment as well as a thorough way of working

## What You Get

- You get exciting insights into our research and gain valuable practical experience
- We use the latest hardware and software. Together with us you work in first-class laboratories (on-site or remotely)
- Regular and extensive support: Weekly 1:1 meetings, short term support if needed and participation at test-drives with our autonomous shuttle busses
- Possibility to learn new programming languages, skills, APIs, etc. during working time

## How To Apply

- Start: Immediately
- Write me an email at [orf@fzi.de](mailto:orf@fzi.de) with a short CV, your grades and a few sentences why you are interested and why you think this job should be yours
- On acceptance, we will have a face-to-face or remote meeting to discuss the details of your work