HiWi Position: Support IoT Lab Development:
We are looking for a HiWi (f/m/d) for managing and extending our IoT-Lab.

We, the Data Stream Management and Analysis research group, are engaged in researching and prototyping new architectures and methods for processing and analyzing data streams. In our research, we develop a Distributed Stream Processing Architecture for heterogeneous edge environments. In our IoT-Lab we build a testbed consisting of heterogeneous hardware, including a server, various edge devices, and a fischertechnik learning factory. We are looking for a motivated student to help us set up and manage the testbed including the hardware infrastructure and software components with the goal of enabling us and our students easier testing of developed components on real hardware.

What we offer:
- Interdisciplinary research in the industrial domain
- Hands-on experience with modern and application-oriented technologies and hardware (Siemens S7, Raspberry Pi, Nvidia Jetson, Fischertechnik Learning Factory, Microsoft Azure and more)
- Possibility of a related thesis with us, later on
- Flexible working hours
- Work in a small, motivated team

Your profile:
- Interest in IoT and Industrial Automation (most important :)
- Some experience with Linux
- Some experience with devices such as Raspberry Pis and/or Microcontrollers
- Preferable: Experience with SPS programming (Siemens S7) and/or Cloud Computing (Azure)
- Preferable: general understanding of data stream processing (for example from our lecture on “Data Stream Management and Analysis”)

We are looking forward to your application! If you have any questions, contact us!
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