



JOB OPENING

WORKING STUDENT

Project Developer for FIWARE's Smart World and Software demonstrator, a 9m2 model entirely made out of LEGO bricks

Role: Working student (20 hours per week) for building the FIWARE Smart City demonstrator of the City of the Future with option for a Master thesis.

Who we are: The FIWARE Foundation brings support to the fast-growing global Community behind FIWARE, the open source framework that is defining the standards for building the Smart Solutions of the Future, transforming the daily life of people and organizations. We believe that standards have to be driven by the needs of all Society, not the benefit of a few players. We recruit activists who share this vision and want to be part of our movement, towards creating a better world that will bring opportunities to all, fostering open innovation. Making sure that FIWARE will stay free, for all, forever. Check out <https://fiware.org> to learn more about FIWARE!

Your overall mission: You will become part of an international team engaged in supporting the development and fostering the adoption of FIWARE open source technologies in a variety of domains such as Smart Cities, Smart Farming, Smart Factories, Smart Energy and others. The proper operation of our new and awesome FIWARE Smart World Demonstrator, permanently installed in our headquarters when not brought to major industrial events and fairs, will build an attractive connection to our visitors and make them interested in our products, offers and services. You will contribute to the evolution of this demonstrator and its integration with best of breed IoT, BigData, Robotics and AI technology stacks and frameworks. We bet that the results of your work can provide a good basis for a master thesis if that is one of your objectives.

Your responsibilities

- Help us prepare for and attend events worldwide as necessary
- Manage packing, shipping and unpacking of our FIWARE Smart World demonstrator
- Maintain the technology and explain the ideas demonstrated
- Address technical and business challenges with vendors and customers
- Assist with ideas and brainstorming surrounding product development
- Help to make the FIWARE Smart World demonstrator an overall precious experience

Your profile

- Working knowledge of Microcontrollers (Raspberry Pi, Arduino, Sensors, ESP 32) and/or other microcomputer platforms such as Arduino, BeagleBone, etc.
- Experienced in Linux / Ubuntu
- Working knowledge with Javascript/Python and C++ programming language as well as any other programming experience
- Knowledge of Connection Protocol: MQTT/ HTTP (and preferably Lorawan)
- Working knowledge of basic electronics principles
- General interest in technology, computing, coding, software, etc.
- General understanding of key IoT use cases, IoT Dashboard creation or panel experience
- Basic knowledge of HTTP, RESTful APIs and JSON

And what you should also bring

- An empathic personality: listening and communication is in your DNA
- You are a fast learner, with a can-do mentality, who picks things up on the go
- Ability to take an active and creative approach to situations and problem solving

- Eagerness to learn about new technologies
- Solid verbal, written, and interpersonal communication skills in English, German will be considered a plus

What we offer you

- Become part of a friendly, young and dynamic team
- Work with multiple teams worldwide
- The possibility to work independently
- Flexible working hours in accordance with your studies
- Good transport connections near the TU Berlin

Availability: We are looking for a working student for a long-term cooperation on site in our FIWARE head office located in Berlin-Charlottenburg. **Start date:** As soon as possible.

If you feel that this sounds like you, please send your application documents, including your earliest possible starting date, by email to: andrea.kather@fiware.org

FIWARE Foundation e.V. Franklinstraße 13 A 10587 Berlin