

# CYCLOWATT

## **Internship: Embedded Software Developer**

**(3+ months, 80%, Zürich, as soon as possible)**

CycloWatt is a young startup developing the next generation of cycling power meters for hobby cyclists. Over the past months, we have built our first prototype and advanced it into a beta product, which is currently being tested by a selected group of users. With your support, we aim to move toward a production ready design that elevates user experience.

If you are motivated to build on a solid beta-stage foundation, identify improvements, and work towards a product ready firmware on our sensor platform, this is your chance. Your work will directly contribute to shaping a final product ready for market launch.

### **The Job**

In this role, you will work on our firmware that handles data collection, processing, and communication over Bluetooth. Furthermore, we will enable our devices to support over the air updates.

The firmware must collect data from multiple sensors, send its data via standardized Bluetooth services to appear as a power meter, and operate on our energy constrained platform. To tackle this challenge, we are looking for someone who can further develop the firmware into a well documented and maintainable final version. You will start working on the current code base and test your developments directly on our hardware.

For this position, we are looking for someone who can relate to the cycling world and has experience in microcontroller firmware development.

### **Your Profile**

You should bring experience in the following areas:

- Working with microcontrollers
- C/C++
- Python
- Zephyr
- Motivated, curious, and ready to learn quickly in a startup setting

If you are interested and want to learn more, please contact us: [victor.luder@cyclo watt.org](mailto:victor.luder@cyclo watt.org)