



make sense of motion

***Internship – Power optimization for miniaturized wearable sensors
Electronics and Firmware Engineer***

GaitUp develops and commercializes powerful Motion Analysis solutions for Clinical, Sports, and Research applications. Our passion for Biomechanics, wearable Inertial Measurement technology, and cutting-edge algorithms fuels our ambition to enhance the well being of patients, the performance of athletes, and accelerate Motion research worldwide.

Rooted in science and empirical evidence (30+ clinical trials, 450+ publications, 10'000+ patients), our 6th generation and most advanced sensor, the Physilog 6, will provide our Healthcare, Life Science, and Sports partners a new generation of leading-edge digital biomarkers.

Role and responsibilities

The goal of this internship is to reduce the power consumption of our upcoming wearable sensor. The responsibilities are consequently to:

- Review the HW consumption profile
- Improve the current HW design to improve its power consumption
- Optimize firmware implementation as to reduce the power consumption
- Suggest improvements of the current hardware design to improve its power consumption

Qualifications

- Interest in wearable devices and medical application
- Understanding of low-power embedded hardware design
- Experience in embedded firmware implementation
- (Bonus) Knowledge of C++
- (Bonus) Knowledge in ARM architecture

Note: Work from home is possible during this internship.

Contact

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