

Sense OS Internships

www.sense-os.nl

Recognizing earthquakes, managing emergencies, driving healthy lifestyles, supporting mental health; what do they all have in common? They benefit from personal context awareness, created from the phones and wearable sensors we are all carrying with us nowadays. We create context awareness, we believe in privacy for everyone, and we love sensors and data.

We are Sense OS and we are always looking for talented students to do an internship or graduation project with us. We have a lot of academic experience and provide an excellent learning environment for those students who want to experience being part of a growing technology startup.

Below you find a list of 5 possible internship/graduation assignments for an

Artificial Intelligence / Computer Science (Bachelor or Master)

We can be flexible, so even if none of the topics below resonates with you, feel free to contact us about other possibilities.

1. Compare and improve our current context detection algorithms, e.g. step and physical activity detection, semantic location detection with Google Fit / Apple Healthkit.
2. Optimize the battery consumption for our Sense SDK iOS/Android, e.g. by using sensor batching
3. Develop a sensor that analyses the social environment of a user, by using e.g. bluetooth scanning, microphone and voice data, GPS, calendar and social media streams
4. Research the feasibility for automated stress detection with a mobile phone, based on e.g. physical activity patterns, facial/vocal emotion detection
5. Develop algorithms for automated classifications of transport mode (train, walking, cycling) and/or locations (home, work, sports, school, etc). This could be done using sensordata from GPS, accelerometer, or even physiological data.

Background: Computer Science, Artificial Intelligence or related study

Skills: Programming (JAVA, Python, C++, Objective-C, Swift), Machine learning

Duration: 4 - 6 months, +/- 40 hours a week