optohive

Embedded Engineering Internship

Location: Zurich | **Start:** As soon as possible | **Type:** Internship

ABOUT OPTOHIVE

optohive is an ETH Zürich and University Hospital Zurich (USZ) spin-off at the forefront of wearable brain imaging technology. Our cutting-edge system is revolutionizing neuroscience research and clinical applications. Our team brings together expertise in engineering, AI, and neuroscience to push the boundaries of what is possible in brain health.

YOUR MISSION

We are looking for an Embedded Engineer to help shape the intelligence behind our wearable neuroimaging devices. If you are passionate about embedded systems, wearables, and innovative healthcare solutions, we would love to hear from you.

- Develop embedded software for real-time data acquisition and device control.
- Optimize firmware performance for power efficiency and reliability.
- Integrate sensors, communication modules, and hardware components.
- Collaborate closely with hardware and software teams to deliver seamless system integration.
- Support testing, validation, and debugging of embedded systems in lab and real-world settings.

YOUR PROFILE

- MSc or BSc in Electrical Engineering, Computer Engineering, or a related field.
- Solid experience with embedded C/C++, microcontrollers, and real-time systems.
- Familiarity with low-level interfaces (I2C, SPI, UART) and sensor integration.
- Enthusiastic about innovation, fast iteration, and building robust systems from scratch.
- Interest in wearable technology, neuroscience, or medical devices is a strong plus.

WHY JOIN US?

- Cutting-edge Innovation: Work on groundbreaking neurotechnology with real-world impact.
- Collaborative Team: Be part of a fast-growing startup driven by experts in engineering, AI, and neuroscience.
- Hands-on Experience: Gain practical skills in embedded systems, prototyping, and hardware integration.
- Interns have the potential to be onboarded as full-time team members after the internship.

HOW TO APPLY

Send your CV and portfolio to michael@optohive.com with the subject: *"Embedded Engineering Internship"*.

Let's redefine brain imaging together!