

## Internship/Master Thesis – Sensor Systems

Would you like to bring science to market in an award-winning Swiss deep-tech startup? Are you interested in high tech sensor technology within a demanding environment? XRnanotech is currently looking for a motivated future team member to support our growing team. The position is available from 1. July 2022 and the minimum duration is 6 months with the possibility for an extension towards a permanent position.

### Job description

In this role, you will be responsible for the design, fabrication and characterization of a novel sensor system for proton beam applications. You will directly work with large industry players and CERN to bring cutting edge research to the market.

The position includes the following activities:

- Simulating and designing a sensor system according to our project partners needs
- Assembly and testing of the sensor system and its data acquisition system
- Traveling to CERN and our project partners facilities for training sessions and testing
- Write reports and documentations on the current status of the project
- Discussions with project partners and consulting

### Your profile

- Studies in physics, electrical engineering, or related fields
- Knowledge in the fields of pixel sensors and/or data acquisition systems
- Understanding of electric and magnetic fields
- Attention to details
- Basic programming skills
- Proactive and independent way of working
- Team player in a multicultural working environment
- Fluent in English, German is a plus
- Possibility to obtain a Swiss working permit

If you are interested in this exciting position, we are looking forward to getting to know you. Please send your application to Dr. Florian Döring, CEO and Founder of XRnanotech, at [info@xrnanotech.ch](mailto:info@xrnanotech.ch).