

## **Internship/ Master Thesis (f/m/d)**

### **Δ deep learning based structural analysis approach for interventional surgical navigation**

We are an interdisciplinary, international and highly motivated team of an innovative MedTech startup based in Magdeburg with the shared vision of improving patientcare in interventional radiology. Therefore, we are developing surgical tools, assistance devices and software platforms to help radiologists perform safe, precise and easy interventions.

Our success is built on our teamwork and passion for innovation. If you are ready for it, then apply now!

#### **YOU WILL WORK ON:**

- Designing and developing state-of-art deep learning-based methods for planning and navigation of surgical devices
- Integration of the navigation algorithm with web-based interventional image viewer and planning platform
- Optimization of the viewer and planning platform
- Developing the navigation algorithm considering image transfer from 3rd party systems

#### **YOU HAVE:**

- A background in computer science, electrical engineering, mathematics or related areas
- Background knowledge in image analysis, computer vision, machine learning and deep learning
- Knowledge in MATLAB, Python, HTML5, Java Script and CSS
- Knowledge in OpenCV, VTK, Caffé and TensorFlow

We will be even more thrilled, if you already have working experience in any of the languages/packages mentioned above.

#### **YOU ARE:**

- Creative thinking and passionate about problem solving.
- Eagerness to learn and adapt to complicated scenarios.
- Organized and able to fulfill timeline requirements.
- Fluent in English.

If you are interested in these tasks and want to be part of an emerging MedTech startup, tell us about your skills and motivation to be part of InLine-Med GmbH and send your CV to [info@inline-med.com](mailto:info@inline-med.com).