



## MACHINE LEARNING

**Machine learning** for data analysis and pattern recognition in the **medical field** is a key component in the future of medical technology. Especially in the field of prevention and early detection of diseases.

### Project tasks:

- Data analysis and preparation of an existing data set
- Design and implementation of suitable machine learning algorithms for pattern recognition
- Training and evaluation of the models, taking into account relevant performance indicators and regulatory requirements
- Detailed documentation on the development process
- Implementation of the methods

**EVERSION Technologies** is a **MedTech start-up** and accompanies people on their way to a pain-free life. True to the motto HOW YOU WALK TELLS YOU HOW YOU ARE we analyze the individual gait over several hours in everyday life situations with the help of IMU sensor soles. We simulate the effects of walking and shoes on the body using a precise biomechanical 3D model independent of location, time, and specialist personnel. This allows clients to understand the cause of their complaints transparently for the first time. Suitable recommendations for action are then made based on the analysis.

The project is supervised by EVERSION co-founder and leading software developer Lucas Heitele. Start of the project is possible from Mai, June **2024** or by arrangement.

If you are interested or would like more information, don't hesitate to get in touch with us.

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