

Machine Learning Research Engineer



Our Mission

We are a Munich-based seed-stage startup and develop a first-of-a-kind deep-tech medical software. It will assist physicians to find the best possible mechanical ventilation treatment for individual patients – wherever, whenever. Ebenbuild leverages medical images of a patient and further physiological data and combines them with in-depth physiological knowledge, engineering, and physics-based algorithms to create a personalized digital twin of that particular patient. Our motivation: Enable unprecedented insights and tailored precision treatment options. Our goal: Improve the odds for recovery and survival of millions each year.

The Opportunity

We want you to join our early-stage startup. As an integral part of our team, you will harness your machine learning, coding, and general problem solving skills to ...

- ... design and implement an automated image segmentation pipeline using a combination of modern deep learning approaches and computer vision algorithms
- ... research and evaluate the relevant literature, decide which approaches are best suited and then implement and test the most promising ones
- ... help us design and build a unique medical product and optimize the product workflow from medical image to therapy recommendation
- ... take on new tasks and responsibilities as they arise in early start-up life
- ... and play a key role in building the company's technological foundation

How you'll enhance the Ebenbuild skillset

- A Master's degree in Computer Science, Engineering, Statistics, or a related field, Ph.D. preferred
- Ideally 3+ years of relevant work experience in the area of computer vision
- A track record in building state-of-the-art machine learning solutions for image segmentation tasks
- Experience in working with medical images is a big plus
- Strong coding skills in Python and a craftsmanship approach to building software
- Experience in data engineering, ML Ops and moving your models to production are a plus
- Good engineering skills with regard to tools like Docker, AWS, and Git
- Very good written and verbal communication skills in English. German is a plus
- Previous experience with ITK is beneficial

Perhaps most importantly, this position requires grit and a certain dose of "**Abenteuerlust**".

Why Join us

- Build products that will have a measurable impact on the lives of patients
- You will be working on very complex, technically challenging tasks that no one has solved to date
- You will be working with a modern and high-end software stack and infrastructure
- You will become a part of an interdisciplinary team of highly motivated, skilled and ambitious people. Individual contributions count...a lot!

Want to get started? Reach out to us and send your application to jobs@ebenbuild.com. We are looking forward to getting to know you.