

Deep Learning Engineer

m/f/d, Vienna, Full-time, ASAP

Do you want to bring machine intelligence to the medical field? Then join our team at **RetInSight** where we develop algorithms to revolutionize retinal diagnosis using AI. With your contribution we will protect millions of patients from irreversible vision loss and blindness.

Who we are & what we do

We are a spin-off of the Medical University of Vienna and we aim to bring the breakthroughs of scientific research to benefit society and each individual. Our expertise builds on more than 15 years of tele-ophthalmology and AI-based retinal image analysis. As pioneers in the field, we are developing cloud-based transformational AI solutions to improve patient outcomes, empower physicians to increase clinical efficiency and reduce healthcare costs addressing the leading eye diseases of our times.

Our AI Team

The AI Team focus is to innovate and develop algorithms for - we focus on 4 specific areas:

- **Data** - Data is the foundation of all deep learning projects. The AI team dedicates time to curating and creating valuable datasets from data annotated by medical experts.
- **Development Framework** – We work on extending and maintaining our development pipeline that is an essential tool in model development.
- **Research** - We work on research projects where we explore and develop proof of concepts which can be then further developed into released products.
- **Product Development**. We develop DL models which are used on real world data in diagnostic workflows. These models are integrated into inhouse software or 3rd party software from leading global OCT device manufacturers.

Your Role

As a DL engineer in the AI team

- You will work with an interdisciplinary team of medical experts and data scientists to **design and develop** custom **deep learning models** with a focus on **medical image processing** within the field of retinal diagnosis.
- You will participate in our **research** projects where we aim to stay at the forefront of
- You will extend and fine-tune **deep learning development framework** and pipeline to optimise and automate model development.
- You will **collaborate** with our inhouse medical experts to create **datasets** for model development.

Your Profile

- BSc/MSc degree from university in a relevant field, such as Computer Science, Data Science, Mathematics, Physics, Statistics or similar

- Solid programming skills in Python
- Experienced with using deep learning toolboxes such as PyTorch or TensorFlow
- Experience in hands-on machine learning/deep learning – particularly image segmentation and classification
- Self-motivated, structured thinking and analytic mindset
- Good spoken and written English and strong communication skills
- Team player who wants to work collaboratively
- An interest in developing medical software and diagnostic tools
- Nice to have - experience with machine learning in the cloud (AWS)
- Nice to have – experience with Git
- Nice to have – experience with Docker

Our Offer

- An opportunity to work among the first companies with CE mark approval for an AI in the space of retinal diagnostics
- A chance to work with an interdisciplinary team of medical experts and data scientists
- Sufficient data with ground-truth annotated by experts to develop market-ready
- An opportunity to learn how to develop high quality algorithms for Real World Data for medical devices
- Room to develop your own ideas in the design and development of innovative products with global customers
- A friendly and supportive team culture that values diversity
- A well-equipped workplace in a charming office in central Vienna
- EUR 50,000 per year with the willingness to overpay according to your qualification and responsibility

If you think you are a good fit, please send us your application documents (CV - required, cover letter – nice to have) by e-mail to career@retinsight.com