

We are looking for a

ARTIFICIAL INTELLIGENCE / MACHINE LEARNING ENGINEER (m/f/d)

We are looking for motivated and creative individuals with a degree in artificial intelligence and machine learning. If you have a solid software engineering background in Python and know both the theory and application of state-of-the-art ML and deep learning approaches, we have some very impactful and challenging problems for you to solve.

Our mission is to develop early-stage disease diagnostic tools with simple and non-invasive blood tests, to help individuals with few or no symptoms to get the care that they need as soon as possible.

We build our work on solid science and meticulous lab procedures to generate the best and cleanest data possible. Based on that data, we research and develop the right data-processing and prediction approaches that not only work on highly artificial benchmark datasets but can also predict new data from real patients.

Whether you already have some experience with biomedical data or not, we offer an excellent opportunity to work on some cutting-edge problems in this field. Each patient's blood sample is translated into a set of millions of short RNA sequences at varying frequencies that has to be condensed down to a diagnosis.

YOU (ESSENTIAL REQUIREMENTS):

- have an advanced degree in artificial intelligence and machine learning at the MSc or PhD level
- have a strong Python software engineering background
- are passionate about staying up to date in your field and including the latest research in your work
- understand which method to apply to which problem
- can build explainable models with built-in uncertainty quantification
- understand the pitfalls of working with real-world data, such as imbalances, confounding variables, and limited sample sizes
- your daily tools are pytorch, sklearn, pandas, github, and arxiv

OPTIONAL REQUIREMENTS:

- experience with production-grade AI systems and deployment of professional software products
- experience with relational, graph-based ML approaches
- you have already published at well-known conferences and/or maintain open-source projects on github

US:

- based in one of the top biomedical research cities in Europe
- small agile team with a lot of flexibility and creative freedom
- enable you to contribute impactful work with an application that really matters
- welcome you to either join us in Heidelberg or work completely from home (especially if you are in the same time zone)

If this all sounds interesting to you, we would love to get to know you and discuss how your ideas and skills could contribute to our mission.

YOUR APPLICATION:

If we have awakened your interest, please send us your complete application documents and specify your earliest possible starting date and desired salary via [our online-form](#). Hummingbird Diagnostics is using the Recruiter on Demand service provided by Constares GmbH. This opening is handled by a Constares Consultant. For further information, please reach out to Rebecca Schön at +49 89 1241 46 204 or +49 1520 1917 887.

WE ARE LOOKING FORWARD TO YOUR APPLICATION!