(Junior) Machine Learning Engineer (f/m/d)

About us

We are aimedic, a start-up located in Zurich (Switzerland). We contribute to improving the treatment of patients by developing Medical Decision Support tools based on artificial intelligence. To further improve our solutions, we are looking for **Machine Learning Engineers to hire across various levels.**

We have left the beaten track, with the aim to create innovative assistants, which are supposed to support physicians in making diagnoses or to find patterns in large data sets, in order to identify high-risk patients.

We are medics, inventors, explorers, out-side-the-box thinkers. We are driven by new ideas and creative work. If you feel this could be you, please send your resume to jobs@aimedic.ch. For any questions upfront, feel free to call **+41 78 896 45 08, Drazenko Djordjevic (CEO).**

Your role

As a Machine Learning Engineer at aimedic expect to have a daily routine, where you will be analysing, developing and giving advice. Based on your analysis, you will develop software solutions for customers and in-house use. You will consider technical functionality and the users' requirements, while verifying these through according test environments. So you will not only write source code, but rather align with and advise your peers and customers.

Your tasks

- Process, analyse and visualise medical data to derive valuable insights, in close collaboration with our Medical Consultants and Data Scientists

- Identify high-grade features to feed into our medical decision models

- Develop custom machine learning models and use existing libraries

- Develop data and model pipelines

- Scale out model prototypes to production-level models and integrate them with our solution

- Improve existing machine learning models

- Engage in the entire product lifecycle (research, design, experimentation, development. deployment, monitoring, and maintenance)

- Communicate complex processes to business leaders

- Define, implement and run software tests

- Enhance, maintain and document applications and processes

Required skills

- Any of the following: Vocational Training, Swiss Federal Certificate / Diploma, Bachelor or Master or equivalent degree in Computer Science, Mathematics / Statistics, ideally with a focus on data science / machine learning

- High ethical standards regarding privacy and confidentiality when it comes to handling sensitive healthcare data, including strictly complying to data protection and data privacy measures

- Experience in the field of data science / machine learning

- Experience in statistical, data mining and machine learning techniques (like clustering, generalized linear models/regression, supervised learning, random forests, artificial neural networks, deep learning)

- Experience in NLP (natural language processing) techniques

- Experience in analysing and processing large sets of complex data using programming languages like R, Python, SQL, Scala, etc.

- Experience in functional and/or object-oriented programming in R, Scala, Python, Java, C, C++

- Experience in machine learning using any of the following frameworks/platforms: Apache Spark, R, TensorFlow, Keras, scikit-learn

- Experience in Linux and Windows based working environments

- Passionate about innovative solutions with an outside-the-box thinking attitude

- Perseverance and fun when it comes to solving complex problems

- Team player with good organisational skills

- Fluent in English (advanced / level C1); nice to have: good command of German (upper-intermediate / level B2); additional languages are a plus

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