Data Science Engineer

The Ecole polytechnique fédérale de Lausanne

Lausanne, Switzerland

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The Ecole polytechnique fédérale de Lausanne (EPFL) is one of the most dynamic university campuses in Europe and ranks among the top 20 universities worldwide.

The EPFL employs 6,000 people supporting the three main missions of the institutions: education, research and innovation.

The EPFL campus offers an exceptional working environment at the heart of a community of 16,000 people, including over 10,000 students and 3,500 researchers from 120 different countries.

Data Science Engineer (W / M)

Your mission:

EPFL and ETH Zurich are seeking enthusiastic and experienced candidates with scientific IT expertise and a proven track record in and around data science and analytics on large-scale distributed platforms, services and applications, to staff up their national R&D Swiss Data Science Center. The ideal candidate will be part of the Swiss Data Science Center and will act as an enabler of data science activities within the research community from the ETH domains, Swiss universities, and the industry.

In this role, you will liaise with data providers, data scientists, domain scientists, and industry partners to understand their goals, gather requirements, implement the solutions and ensure the knowledge transfer between the stakeholders.

Specifically, you will

Liaise with data providers, data scientists, domain scientists, and industry partners to gather requirements. Design, develop and set up novel (big) data science solutions into industrial and academic environments, using state of the art data science frameworks. Prepare tutorials, presentations, blogs, publications, about data science technologies. Provide trainings and promote the technology and services offered by the SDSC.

You:

Have a bachelor’s degree (MSc or higher preferred) in computer science or a related discipline (e.g., bioinformatics, physics, or electrical engineering). A proven track record of crafting innovative and elegant software solutions, and a good command of the Python programming language. Familiarity with another programming language, especially R, is a plus. Have previous experience applying machine learning, and (big) data analytics frameworks such as TensorFlow, Scikit-learn, and the Apache Hadoop ecosystem, to real world problems. Are familiar with software development best practices, such as agile software development and CI /
CD, and tools like git as well. Are well versed in the Linux operating system. Experience with cloud technology, and containers like Docker or Kubernetes, are highly desirable. Are able to work well in a cross-functional environment and excel in communicating with your peers. Should be prepared to explore and learn novel technologies and put them to practice in uncharted territories. Excellent command of the English language, both verbal and written, is a requirement. Good working knowledge of French or German, would be a plus.

We offer:

A stimulating, startup-like, cross-disciplinary environment in a national center part of 2 leading universities. Opportunities for turning research into impactful solutions. Excellent ties to research groups worldwide, both academic and industrial. Access to state-of-the-art infrastructure and resources.

About us

The Swiss Data Science Center (SDSC, datascience.ch) is a national center between EPFL and ETH Zurich, whose mission is to accelerate the use of data science and machine learning techniques broadly within academic disciplines of the ETH Domain and the Swiss academic community at large.

It aims to federate data providers, data and computer scientists, and subject-matter experts around a cutting-edge analytics platform offering domain-specific Insights-as-a-Service while addressing security and privacy issues inherent to the field of data science. The SDSC is composed of a large multi-disciplinary team of data & computer scientists and experts in relevant domains, distributed between our offices in Lausanne and Zurich.

The unique synergy that the center enables among the institutions of the ETH Domain and between academic and industrial stakeholders in both data science and across carefully selected domains is expected to foster scientific breakthroughs with significant societal impact.

Applications via email or postal services will not be considered.

CDD 1 year renewable Remark:

Only candidates who applied through EPFL website or our partner Jobup’s website will be considered.

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