

MACHINE
LEARNING



Invaluable.io
Artificial Intelligence for Business

Machine Learning Fellowship Program

Become a Machine Learning Engineer with our industry-leading fellowship programme. Comprising 8 intensive weeks, a new topic will be introduced each week. Participants will work with experts, apply knowledge gained to relevant exercises and contribute to the realization of on-going Invaluable projects, implementing your new skills directly into real world projects.

Structure, Time and Duration

You will move to Berlin for the duration of two months and get an internship contract for the whole duration at the Invaluable GmbH.

Duration of the program:

The program lasts two months. We have two start dates per year. In August and in March.

Application deadline:

We accept applications all year round. An early application is advised.

Location:

Berlin

Program Syllabus

Participants will learn about newest developments in Artificial Intelligence technology and how to apply them. These are the topics that will be taught. The course curriculum will be adjusted according to current projects.

Machine Learning:

Participants learn the foundations of machine learning, essential algorithms, the importance of data as well as gain practical experience in the usage of:

- Microsoft Azure Machine Learning
- IBM Watson
- TensorFlow
- Facebook Caffe2
- Google Cloud

The programming will be done mainly in C# and Python.

Data Science:

Participants will gain a thorough understanding of data selection, integration, analysis and processing, also learning evaluation metrics and how to test prediction models.

Open-Source Machine Learning Libraries:

Participants will navigate and engage with open-source machine learning libraries such as TensorFlow by Google, CNTK and DMTK by Microsoft and MLlib BY Apache Spark, among other.



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Requirements:

We are looking for highly analytical candidates with a Computer Science, Math or Engineering background.

Candidates must have a thorough understanding of at least one programming language as well as agile programming methodologies and software engineering in teams.

The program is for Graduates or Young Professionals who are done or almost done with their studies.

German Language proficiency is an advantage but not a requirement.

Program Syllabus

Computer Vision and Natural Language Processing:

Participants will learn about and work with image and natural language processing, available tools, adaptation of tools based on needs as well as the testing of these tools.

Neural Networks Applications:

Experts will present a thorough examination of the application of Neural Networks including features and labels, regression, classification. Participants will create, test and train their own networks.

General

At the core of the programme's objectives is the actual application of A.I. technologies. We aim to equip you with the necessary knowledge, tools and techniques to become a Machine Learning expert. You will work on real-world projects, with real data solving real problems for our clients.

This program is hands-on-programming. The fellows will get exposure to experts in their fields and work on A.I. problems. Much of the course will be spent working on projects that require the application of the knowledge towards a real-world problem. Programming and problem solving are major parts of the program.

The programme is intensive, highly competitive and upon its conclusion there is potential for fellows to gain a permanent position working at Invaluable GmbH.

Interested candidates should send their CV and cover letter to career@invaluable.io.



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