

This is to certify that **Irina Pugaeva**
successfully completed year training programme
at MADE Big Data Academy and was qualified as Machine Learning Operations Engineer

TERM 1

Subject	Hours	Instructor	Grade
Intensive Python	32	Gennady Kandaurov, Anton Kukhtichev	passed
Intensive Computer Science	16	Artem Agafonov	passed
Algorithms and Data Structures	64	Grigory Shovkoplyas	C
Machine Learning	48	Radoslav Neichev	A
MLOps	40	Mikhail Maryufich	C
Advanced Python	40	Gennady Kandaurov, Anton Kukhtichev	C
Large Scale Machine Learning	36	Andrey Kuznetsov	B
Study project. Production and deployment of ML/DS product	12		passed

TERM 2

Subject	Hours	Instructor	Grade
Deep Learning	16	Ivan Karpukhin, Radoslav Neichev, Fedor Kishatov, Boris Lestsov	passed
Advanced Machine Learning	48	Sergey Nikolenko	C
Computer Vision	56	Ivan Karpukhin, Fedor Kishatov	B
Natural Language Processing	52	Radoslav Neichev	C
Recommender systems	28	Nikolai Anokhin, Daria Nikanorova	A
Machine Learning. Spark	16	Dmitrii Bugajchenko	passed
A/B testing	16	Aleksandr Smirnov	passed

Final
Project

Search query generation

Idea author	Andrew Krivoy	Grade	5	June 2023
Mentor	Mikhail Ivankin			

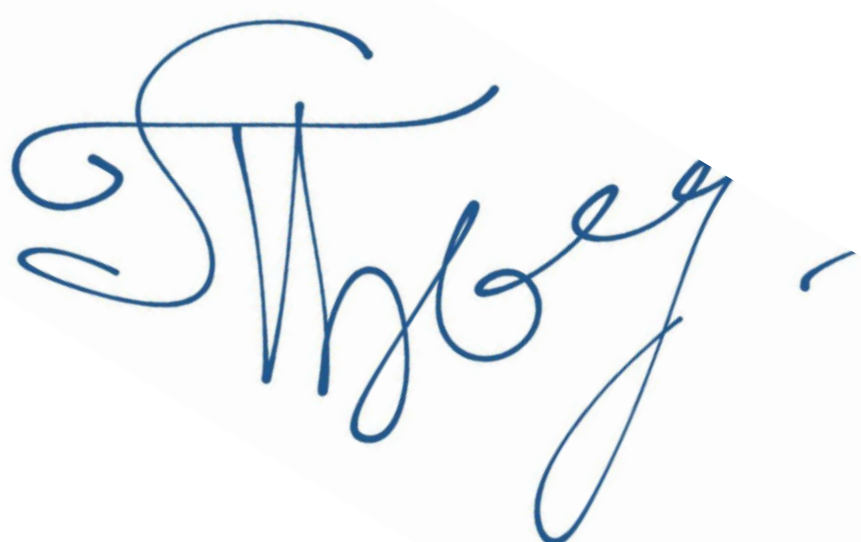
Anna Stepanova

Deputy Vice President
for Educational Projects



Tatsiana Tsygan

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MADE Big Data Academy



Julia Bulgatova

Project Manager,
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