

## DATA SCIENTIST

### Aleksandr Kryuchkov

successfully completed eighteen-month full-time training programme at MADE Big Data Academy and was qualified as Data Scientist

Certificate №  
№324-73473

### TERM 1

Subject	Hours	Instructor	Grade
Algorithms and Data Structures	64	Grigory Shovkoplyas	A
Machine Learning	46	Emeli Dral	B
Advanced Python	30	Alexey Dral	A
Advanced C++	40	Konstantin Leladze	A

### TERM 2

Subject	Hours	Instructor	Grade
Advanced Machine Learning	52	Sergey Nikolenko	A
Deep Learning	28	Ivan Karpukhin, Radoslav Neichev	B
Machine Learning in Production	40	Maryufich Mikhail	A
Computer Vision	58	Ivan Karpukhin, Daniil Lyisuhin, Andrey Boyarov	A
Natural Language Processing	52	Radoslav Neichev	A
Graph Machine Learning and Social Network Analysis	64	Vitaly Pozdnaykov, Andrey Kuznetsov, Ilya Makarov	A

### TERM 3

Subject	Hours	Instructor	Grade
Advanced Deep Learning and Reinforcement Learning	48	Sergey Nikolenko	A
Large Scale Machine Learning	51	Andrey Kuznetsov, Dmitrii Kiselev, Dmitrii Bugajchenko	A
Graph Neural Networks and Applications	40	Ilya Makarov, Vitaly Pozdnaykov	A
Interpretable AI and Data Mining	39	Makhalova Tatyana	A
High-Performance Computations	39	Sergey Matveev, Sergey Rykovanov	A

**Final Project** Telegram network analysis **Supervisor** Ilya Makarov **Grade** A **December 2021**

**Dmitry Smyslov**  
Vice President,  
HR and Educational Projects



**Anna Stepanova**  
Director,  
VK Educational Projects



**Ilya Makarov**  
Programme Director,  
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**Tatsiana Tsygan**  
Executive Director,  
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