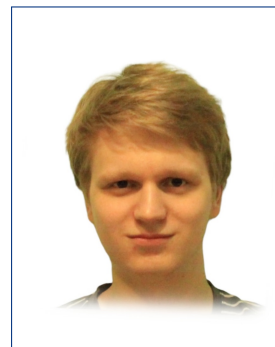


# Vadim Smirnov



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## Personal Information

Telegram	@Fulmenius
E-mail	thefulmenius@gmail.com
GitHub	<a href="https://github.com/Fulmenius">https://github.com/Fulmenius</a>
Age	23
Location	Moscow

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## Education

09/22 - Present	<b>M.Sc. Quantum Gravity and Mathematical Physics</b> , <i>Moscow State University, Institute for Theoretical and Mathematical Physics</i> , Moscow, Russian Federation, Took extra courses on Deep Learning and Natural Language Processing with neural networks.
09/22 - Present	<b>Algorithmic Bioinformatics</b> , <i>Bioinformatics Institute</i> , An online professional re-training program., Probability Theory and Statistics, Algorithms in Bioinformatics, Introduction to Molecular Biology, Practice in Bioinformatics, Molecular Evolution, Molecular Phylogeny, Python, Introduction to Machine Learning Graduation project: Predicting SARS-CoV 2 antibody escape with Machine Learning
09/18 - 07/22	<b>B.Sc. Physics</b> , <i>Saint-Petersburg State University, Department of Physics, Chair of High Energy and Elementary Particle Physics</i> , Saint-Petersburg, Russian Federation Bachelor Thesis: Quantisation of strong gravitational pp-waves
Other Education	<b>Free University of Moscow</b> , Genetics, Summer-Fall 2022, General Algebra, Fall 2022/Spring 2023, Albert Einstein and Revolutions in the Physics of the XX Century, Spring 2022

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## Languages and Skills

### Software and IT

Python	standard library, NumPy, SciPy, Pandas, sklearn, PyTorch
Machine Learning	Experience at applying classical ML techniques and DL (using PyTorch) to biological data.
Bioinformatics	Basic experience in variant calling, genome annotation, de novo genome assembly, analysis of SNPs in human genome, metagenomics, transcriptome analysis, phylogeny tree reconstruction, skyline methods, all using GUI and command line tools.
Linux	Proficient user

### Languages

English	C1
German	B2/C1

**IELTS 7.5**  
**Test DaF 4455**

French	Subjective B1, read and listen fluently
Russian	Native

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## Hobbies

Literary translation	I sometimes translate verses, short stories and articles from English, German and French
History of science and technology	And history in general, especially the Interbellum