

# Daria Nogina

## Computational biology student, in love with ML and software engineering

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The online version is available at

<https://NoginaDaria.github.io/resume>

### Residence

Moscow

### Github

<https://github.com/NoginaDaria>

### Email

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Python	++++	R	++++	C++	+++	EDA	++++	Classical	++++	Neural	++++
								ML		networks	
Probability theory	+++	Statistics	++++	Algorithms and DS	+++	Advanced math	++				

A third-year computational biology student with a four-year experience of lab work. I'm a biology competition winner in the past, but my passion today is programming and ML.

## Professional Experience

### Department of Computational Systems Biology, VIGG RAN

2019 - Current

Advisor: Ivan Kulakovskiy. Development of python/R/bash pipelines for RNA-seq data analysis. Workflow automation and research programming for cancer studies. We investigate RNA-protein interactions through high-throughput data analysis. I have experience in working with RIP-seq, Ribo-seq, and RNA-seq data.

edgeR DESEQ2 samtools STAR

### Technosphere, Mail.Ru Group

2020 - Current

Intense one-year program by a leading Russian IT company. Within the program, I participated in Kaggle competitions on NLP and time series forecasting problems. Currently, I'm implementing a multi-threading caching server with my study group.

python3 C++ neural networks

### Sanford Burnham Prebys Medical Discovery Institute

2019 - Current

Advisor: Dmitry Rodionov. Theme: role of dynamics of the gut microbiome in T1D development. We perform a functional metagenomics study uncovering the phenotypic profile of gut microbiota and the role of it's dynamic in autoimmune diabetes progression.

python3 qiime2 time series

### Institute for Information Transmission Problems, RAN

2019

Advisors: M.Moldovan, M.Gelfand. Theme: effect of mRNA editing on the translation process in soft-bodied cephalopods. Comparative genomics study involving transcriptomic data analysis.

python3 samtools

## Lomonosov Moscow State University

2017

Advisors: F.Balabin, A.Sveshnikova, F.Ataullakhanov. Theme: dynamics of calcium spiking in human platelets and fish thrombocytes. Wet-lab work involving fluorescent microscopy

wet lab work

## Education

Lomonosov Moscow State University, Faculty of Bioengineering and Bioinformatics. 2018-2014

## Additional Experience

### School of Molecular and Theoretical Biology, Adam Mickiewicz University, Poland

communication programming

### Information technology and systems, Perm, Russia

poster presentation

### CompSysBio, Assois, France

systems biology conference workshop participation

### KVIS Invitational science fair, Rayong, Thailand

poster presentation grand prize