Daria Nogina

Computational biology student, in love with ML and software engineering

Residence
Moscow

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The online version is available at
 https://NoginaDaria.github.io/resume

Python	++++	R	++++	C++	+++	EDA	++++	Classical ML	++++	Neural 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`

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.

Education

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

Additional Experience

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Poetry

In 1593 and 1594, when the theatres were closed because of plague, I published two narrative poems on sexual themes, Venus and Adonis and The Rape of Lucrece. He dedicated them to Henry Wriothesley, Earl of Southampton.

poetry erotic