

# Aliia Khasanova

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## EDUCATION

<b>Higher School of Economics</b> <i>BS in Applied Mathematics and Computer Science GPA: 9.56/10.0, top 8%</i>	<b>Moscow, Russia</b> <i>2017 - 2021</i>
<b>Yandex school of data analysis</b> <i>Advanced Python course</i> <i>Advanced C++ course</i>	<b>Moscow, Russia</b> <i>Sept 2020 - Dec 2020</i> <i>Sept 2019 - June 2020</i>
<b>GHC 2019</b> <i>Conference designed to bring the research and career interests of women in computing to the forefront</i>	<b>Orlando, USA</b> <i>Sept 2019</i>
<b>FINNOPOLIS</b> <i>One of the biggest forum of innovative financial technologies</i>	<b>Sochi, Russia</b> <i>Oct 2017</i>

## TECH STACK

<b>Programming</b>	C++, C, Python, bash, x86 asm, L <sup>A</sup> T <sub>E</sub> X, basics of Go, JavaScript, Postgresql
<b>Developing</b>	Docker, git, Linux, regexp, concurrency, nginx, terraform, flask, basics of Hadoop and Hive
<b>Machine Learning</b>	Pytorch, NumPy, SciPy, matplotlib, pandas, basics of CV

## EXPERIENCE

<b>Google</b> <i>Software Engineer Intern</i>	<b>Remote</b> <i>July 2020 - Oct 2020</i>
◦ Geo Search team. Implemented a new way of processing address components in the user query, using country dependent patterns.	
<b>Google</b> <i>STEP Software Engineer Intern</i>	<b>Dublin, Ireland</b> <i>July 2019 - Sept 2019</i>
◦ Access team. Developed a product for authentication third-party applications, created and tested for Unix and Windows OS.	
<b>Laboratory of Bioinformatics, Faculty of Computer Science</b> <i>Research Intern</i>	<b>Moscow, Russia</b> <i>Sept 2019 - June 2020</i>
◦ Investigated approaches to annotating different secondary structures in genome of living organisms. Wrote a paper.	
<b>Higher School of Economics</b> <i>Teacher assistant</i>	<b>Moscow, Russia</b> <i>Sept 2018 - June 2019</i>
◦ Conducted consultations for 1st grade bachelor students once a week in Algorithms and Data Structures course.	
◦ Came up with homework tasks.	

## PROJECTS

<b>G4 annotation in drosophila genome</b> <i>Individual project in Laboratory of Bioinformatics</i>	<a href="https://github.com/khasanovaa/G4-annotation-with-deep-learning">https://github.com/khasanovaa/G4-annotation-with-deep-learning</a> <i>Oct 2019 - June 2020</i>
◦ Created annotation of G-quadruplex in drosophila genome dm-6 using deep learning methods. The whole annotated genome and models are in open source.	
<b>Neural Network Composes Music</b> <i>Individual project</i>	<a href="https://github.com/khasanovaa/Sonia">https://github.com/khasanovaa/Sonia</a> <i>Nov 2018 - Mar 2019</i>
◦ Implemented Neural Network that composes music, LSTM-based Recurrent Network model.	

## ACHIEVEMENTS

<b>Alpha-Chance Scholarship for talented youth</b>	<i>Sept 2017 - Aug 2019</i>
<b>University scholarship for good study results</b>	<i>Sept 2017 - Feb 2020</i>
<b>Gold medal in all-Russian math competition of Higher School of Economics</b>	<i>April 2017</i>
<b>Gold medal in all-Russian math competition "Rosatom"</b>	<i>April 2017</i>
<b>Russian Federation gold medal award for the excellent achievements in studies</b>	<i>June 2017</i>
<b>MLH "Start HACK" hackathon, 4th place</b>	<i>Feb 2018</i>
<b>1st place in Russian Mathematical Team Competition</b>	<i>Oct 2014</i>