## Andrei Tonkikh

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Education —	
Higher School of Economics, Saint-Petersburg, Russia	$2019 ext{-}Present$
• M.S. in Computer Science (Expected June 2021)	
• Studying the theory of Distributed Computing	
Higher School of Economics, Saint-Petersburg, Russia	2018-2019
• B.S. in Computer Science (continued)	
• With focus on Cloud Computing	
St. Petersburg Academic University, Saint-Petersburg, Russia	2015-2018
• B.S. in Computer Science (transferred)	
Work Experience	
Junior SWE at Yandex, Saint-Petersburg, Russia	Since January 2019
<ul> <li>Developed a prototype and currently working on a production in algorithm that allows the service to provide flexible resource guar on large clusters of tens of thousands of servers and allocates resorrunning operations.</li> </ul>	rantees to the users. The algorithm works
SWE Intern at Yandex, Moscow, Russia	$July-December\ 2018$
$\bullet$ Enhanced job scheduling algorithms for YT – the largest distrib	outed computing platform at Yandex.
SRE Intern at Google, London, UK	$July-September\ 2017$
$\bullet$ Was part of Traffic Team SRE and improved the black box more	nitoring system for Google Cloud Engine.
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BFT Reconfiguration	
• In an ongoing project I am working on the problem of asynchrosystems in arbitrary (a.k.a. Byzantine) fault-tolerant distribute	
Open Source Contributi	on —
Packer Plugin for vSphere	Fall 2017
<ul> <li>Automated creating virtual machines and OS installation in vS<sub>l</sub> used in JetBrains infrastructure. It is written in Go programmi</li> </ul>	- •
$\bullet \ github.com/jetbrains-infra/packer-builder-vsphere$	
Rust Standard Collections Library	Spring 2016
• Contributed to the implementations of B-Tree and Binary Heap	o in Rust standard library.
ullet github.com/rust-lang/rust/pull/33947 and github.com/	/rust-lang/ $rust/pull/32987$
Other Skills —	
Programming languages: C++, C, Go, Kotlin, Java, Rust, Pytho Skills: Storage Systems, Concurrent Programming, Operating Systems	

 ${\bf Technologies:}\ {\bf MapReduce,\ Postgre SQL,\ Hadoop,\ Spark,\ Hive,\ LaTeX}$