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, RussiaB.S. in Computer Science (continued)	2018–2019
• With focus on Cloud Computing	
St. Petersburg Academic University, Saint-Petersburg, RussiaB.S. in Computer Science (transferred)	2015–2018
Work Experience	
Junior SWE at Yandex, Saint-Petersburg, Russia	Since January 2019
 Developed a prototype and currently working on a production in algorithm that allows the service to provide flexible resource guat on large clusters of tens of thousands of servers and allocates resorunning operations. 	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	buted 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	ion ———
Packer Plugin for vSphere	Fall 2017
• Automated creating virtual machines and OS installation in vS used in JetBrains infrastructure. It is written in Go programmi	phere environment. The project is widely
$\bullet \ github.com/jetbrains-infra/packer-builder-vsphere$	
Rust Standard Collections Library	Spring 2016
\bullet Contributed to the implementations of B-Tree and Binary Heap	o in Rust standard library.
\bullet <u>github.com/rust-lang/rust/pull/33947</u> and <u>github.com/</u>	/rust-lang/ $rust/pull/32987$
Other Skills	
Programming languages: C++ C Go Kotlin Java Rust Pytho	on

Programming languages: C++, C, Go, Kotlin, Java, Rust, Python

Skills: Storage Systems, Concurrent Programming, Operating Systems, Linux Kernel Programming

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