Andrei Tonkikh

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— Education —	Emkedin prome. andrei-tonkikn
Higher School of Economics, Saint-Petersburg, Russia	2019 – Present
• M.S. in Computer Science (Expected June 2021)	2019 - Fresent
• Studying the theory of Distributed Computing	
Higher School of Economics, Saint-Petersburg, Russia	2018 - 2019
• B.S. in Computer Science (continued)	2010 - 2013
• With focus on Cloud Computing	
St. Petersburg Academic University, Saint-Petersburg, Russia	2015 - 2018
• B.S. in Computer Science (transferred)	
Work Experience	
Work Experience	
Junior SWE at Yandex, Saint-Petersburg, Russia	Since January 2019
 Developed a prototype and currently working on a production is algorithm that allows the service to provide flexible resource gus on large clusters of tens of thousands of servers and allocates re- running operations. 	arantees to the users. The algorithm works
SWE Intern at Yandex, Moscow, Russia	$July-December\ 2018$
\bullet Enhanced job scheduling algorithms for YT – the largest distr	ibuted computing platform at Yandex.
SRE Intern at Google, London, UK	${\it July-September~2017}$
\bullet Was part of Traffic Team SRE and improved the black box mo	onitoring system for Google Cloud Engine.
Academic Projects	
BFT Reconfiguration	
• In an ongoing project I am working on the problem of asynchrosystems in arbitrary (a.k.a. Byzantine) fault-tolerant distribut	
—————— Open Source Contribut	tion —
Packer Plugin for vSphere	Fall 2017
• Automated creating virtual machines and OS installation in vsused in JetBrains infrastructure. It is written in Go programm	- •
$\bullet \ github.com/jetbrains-infra/packer-builder-vsphere$	
Rust Standard Collections Library	Spring 2016
• Contributed to the implementations of B-Tree and Binary Hea	ap in Rust standard library.
• $github.com/rust-lang/rust/pull/33947$ and $github.com/rust-lang/rust/pull/33947$	n/rust-lang/ $rust/pull/32987$
Other Skills —	
Programming languages: C++, C, Go, Kotlin, Java, Rust, Pyth	non

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

Technologies: TLA+, MapReduce, PostgreSQL, Hadoop, Spark, Hive, LaTeX, SQL, Bash