Andrei Tonkikh

Phone: +7(904)856-51-29 Email: andrei.tonkikh@gmail.com	GitHub profile: xosmig LinkedIn profile: andrei-tonkikh
_	Linkedin prome. andrei-tonkikn
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 B.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 gua on large clusters of tens of thousands of servers and allocates res running 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 distri	buted computing platform at Yandex.
SRE Intern at Google, London, UK	$July-September\ 2017$
• Was part of Traffic Team SRE and improved the black box more	nitoring 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 distribute	-
Open Source Contribut	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 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	p 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, Python

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

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