Chinmay Kulkarni (www.chinmayk.net)

EDUCATION	University of Utah	Salt La	ake City, USA
EDUCATION	Doctor of Philosophy in Computer Science, May 2021 Dissertation: Reconfiguration and Extensibility for Low-Latency Key-Value Stores		
	Advised by Prof. Ryan Stutsman		
	Indian Institute of Technology Bombay Master of Technology in Computer Science, June 2 Thesis: Mitigating Busy Waiting in SMP Virtual Advised by Prof. Purushottam Kulkarni	2016	Bombay, India
	National Institute of Technology Bachelor of Technology in Electronics and Commu		ırathkal, India
Publications	Achieving High Throughput and Elasticity in a Chinmay Kulkarni, Badrish Chandramouli, and Collaboration with Microsoft	· ·	VLDB 2021
	NrOS: Effective Replication and Sharing in an Operating System OSDI 2021 Ankit Bhardwaj, Chinmay Kulkarni, Reto Achermann, Irina Calciu, Sanidhya Kashyap, Ryan Stutsman, Amy Tai, and Gerd Zellweger Collaboration with VMware		
	Adaptive Placement for In-memory Storage Fu Ankit Bhardwaj, Chinmay Kulkarni , and Ryan		ATC 2020
	Splinter: Bare-Metal Extensions for Multi-Tenant Low-Latency Storage OSDI 2018 Chinmay Kulkarni, Sara Moore, Mazhar Naqvi, Tian Zhang, Robert Ricci, and Ryan Stutsman		
	Rocksteady: Fast Migration for Low-latency In-memory Storage SOSP 2017 Chinmay Kulkarni, Aniraj Kesavan, Tian Zhang, Robert Ricci, and Ryan Stutsman		
	Chinmay Kulkarni, Aniraj Kesavan, Tian Zhan	g, Robert Ricci, and Ryan Stutsr	
Open Source			
Open Source Experience		node-replication utahSalt La 2016 - Spring 2021 can be extended at runtime u	-scs/splinter ake City, USA
	microsoft/FASTER vmware/n University of Utah Research Assistant advised by Ryan Stutsman, Fail Worked on multi-tenant low-latency stores that memory-safe functions, and fast, low impact data Google Research Intern hosted by Larry Kai, Summer 202	node-replication utah	-scs/splinter ake City, USA sing type- and annyvale, USA
	microsoft/FASTER vmware/n University of Utah Research Assistant advised by Ryan Stutsman, Fail Worked on multi-tenant low-latency stores that memory-safe functions, and fast, low impact data Google	node-replication utah	-scs/splinter ake City, USA sing type- and unnyvale, USA ad built a dash-
	microsoft/FASTER vmware/n University of Utah Research Assistant advised by Ryan Stutsman, Fall Worked on multi-tenant low-latency stores that memory-safe functions, and fast, low impact data Google Research Intern hosted by Larry Kai, Summer 202 Worked on defining and measuring the availability board that Google engineers can use to visualize a VMware Research Intern hosted by Gerd Zellweger, Summer	node-replication utah	-scs/splinter ake City, USA sing type- and unnyvale, USA ad built a dash- eir service. alo Alto, USA
	microsoft/FASTER vmware/n University of Utah Research Assistant advised by Ryan Stutsman, Fail Worked on multi-tenant low-latency stores that memory-safe functions, and fast, low impact data Google Research Intern hosted by Larry Kai, Summer 202 Worked on defining and measuring the availability board that Google engineers can use to visualize a VMware	node-replication utah	-scs/splinter ake City, USA sing type- and unnyvale, USA ad built a dash- eir service. alo Alto, USA
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	University of Utah Research Assistant advised by Ryan Stutsman, Fall Worked on multi-tenant low-latency stores that memory-safe functions, and fast, low impact data Google Research Intern hosted by Larry Kai, Summer 202 Worked on defining and measuring the availability board that Google engineers can use to visualize a VMware Research Intern hosted by Gerd Zellweger, Summer Designed, built, tested and evaluated a Rust librar concurrent data structure from a single threaded i Microsoft Research Intern hosted by Badrish Chandramouli,	node-replication utah	ranan -scs/splinter ake City, USA sing type- and unnyvale, USA ad built a dash- eir service. alo Alto, USA de, linearizable, edmond, USA

Scaling an Operating System to Many Cores Using a System Call Log SOSP 2019 (Poster), Huntsville, Ontario, Canada

Raising The Efficiency of μ Storage

Google PhD Fellowship Summit 2019, Mountain View, California, USA

Splinter: Bare-Metal Extensions for Multi-Tenant Low-Latency Storage OSDI 2018, Carlsbad, California, USA

Rocksteady: Fast Migration for Low-latency In-memory Storage SOSP 2017, Shanghai, China

SERVICE JSys (Student Editor, 2021), HotCloud '20 (External Reviewer)

AWARDS Google PhD Fellowship, Systems and Networking, 2019

Skills Rust, Python, R, C++, Kernel-bypass networking, Lock-free programming