Chinmay Kulkarni (www.chinmayk.net)

Education	University of Utah
	Indian Institute of Technology Bombay
	National Institute of Technology
Experience	Lightstep
	University of Utah
	Research Assistant advised by Ryan Stutsman, Fall 2016 - Spring 2019 Designed, implemented, and evaluated mechanisms for reconfiguration and extensibility in low-latency key-value stores. Work published at SOSP '17 and OSDI '18.
	Google
	VMware
	Microsoft
	Cisco Systems
	Software Development Intern, Summer 2012 Worked on Openstack and Openflow plugins for the Cisco Catalyst 6K series of switches.
Publications	Achieving High Throughput and Elasticity in a Larger-than-Memory Store VLDB 2021 Chinmay Kulkarni, Badrish Chandramouli, and Ryan Stutsman Collaboration with Microsoft
	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 Functions Ankit Bhardwaj, **Chinmay Kulkarni**, and Ryan Stutsman

OSDI 2018

ATC 2020

Splinter: Bare-Metal Extensions for Multi-Tenant Low-Latency Storage 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

Beyond Simple Request Processing with RAMCloud **IEEE DEB 40(1)** ARTICLES

Chinmay Kulkarni, Aniraj Kesavan, Robert Ricci, and Ryan Stutsman

Benchmarking Multiprocessing Parameters in a Virtualized Multi-Core Environment TECHNICAL

IIT Bombay Technical Report Chinmay Kulkarni and Purushottam Kulkarni Reports

OPEN SOURCE microsoft/FASTER vmware/node-replication utah-scs/splinter

Reconfiguration and Extensibility for Low-Latency Key-Value Stores Talks and

PhD Defense, 2021, University of Utah, Salt Lake City, Utah, USA Posters

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)

Google PhD Fellowship, Systems and Networking, 2019 AWARDS

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