

Jack Kosaian

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Education

Carnegie Mellon University Ph.D. in Computer Science Advisor: Rashmi Vinayak	Aug. 2017 - Present
University of Michigan, Ann Arbor B.S.E. in Computer Science & Engineering	Sept. 2013 - Dec. 2016

Awards

NSF Graduate Research Fellowship (2017)
Angell Scholar (2015)
Branstrom Prize (2014)

Conference Publications

Parity Models: Erasure-Coded Resilience for Prediction Serving Systems
Jack Kosaian, K. V. Rashmi, Shivaram Venkataraman
ACM SOSP 2019

Vantage: Optimizing Video Upload for Time-shifted Viewing of Social Live Streams
Devdeep Ray, Jack Kosaian, K. V. Rashmi, Srinivasan Seshan
ACM SIGCOMM 2019

EC-Cache: Load-Balanced, Low-Latency Cluster Caching with Online Erasure Coding
K. V. Rashmi, Mosharaf Chowdhury, Jack Kosaian, Ion Stoica, and Kannan Ramchandran
USENIX OSDI 2016

Journal Publications

Learning-Based Coded Computation
Jack Kosaian, K. V. Rashmi, Shivaram Venkataraman
IEEE Journal on Selected Areas in Information Theory, 2020

Teaching Experience

CMU 15-440: Distributed Systems	Spring 2020
UofM EECS 370: Introduction to Computer Organization	Fall 2015, Winter 2016

Outreach

CMU SCS Creative Technology Nights

Industry Experience

Microsoft Research <i>Research Intern</i> Mentor: Amar Phanishayee	May 2019 - Aug. 2019 <i>Redmond, WA</i>
Google <i>Software Engineering Intern</i> BigQuery team	May 2017 - July 2017 <i>Seattle, WA</i>

Google

Software Engineering Intern

gVisor team

May 2016 - Aug. 2016

Mountain View, CA

Epic Systems

Software Development Intern

May 2015 - Aug. 2015

Madison, WI