

# JACK KOSAIAN

jackkosaian.github.io ◊ jkosaian@andrew.cmu.edu

## EDUCATION

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

## AWARDS

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

## RESEARCH

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- Software Systems Laboratory** Jan. 2016 - April 2017  
*Undergraduate Research Assistant* Ann Arbor, MI
- Geo-distributed Analytics: Co-optimizing scheduling and routing of jobs across datacenters
  - EC-Cache: Using erasure coding to mitigate load imbalance and reduce read latencies for cluster storage
- Laboratory for Interactive Visualization in Engineering** June 2014 - April 2015  
*Undergraduate Research Assistant* Ann Arbor, MI
- SmartDig: Computer vision techniques to perform automatic, accurate pose-estimation of excavators
- S.M. Wu Manufacturing Research Center** Jan. 2014 - Dec. 2014  
*Undergraduate Research Assistant* Ann Arbor, MI
- Intelligent Eye Model: Anatomically accurate model of the eye used to train ophthalmology residents

## PUBLICATIONS

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- [1] K. V. Rashmi, M. Chowdhury, J. Kosaian, I. Stoica, and K. Ramchandran. Ec-cache: Load-balanced, low-latency cluster caching with online erasure coding. In *OSDI*, 2016.

## INDUSTRY

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- Google** May 2017 - July 2017  
*Software Engineering Intern* Seattle, WA
- BigQuery
- Google** May 2016 - Aug. 2016  
*Software Engineering Intern* Mountain View, CA
- Cloud Technical Infrastructure: Kernel Virtualization
- Epic Systems Corporation** May 2015 - Aug. 2015  
*Software Development Intern* Verona, WI
- InPatient: Scoring System Analysis and Visualization

## TEACHING

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- EECS 370: Introduction to Computer Organization (F15, W16)