

# JACK KOSAIAN

jackkosaian.github.io  $\diamond$  pkosaian@umich.edu

## EDUCATION

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### Carnegie Mellon University

Ph.D. in Computer Science

Aug. 2017 - Present

### University of Michigan, Ann Arbor

B.S.E. in Computer Science & Engineering

GPA: 3.941 / 4.000

Sept. 2013 - Dec. 2016

## AWARDS

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

## RESEARCH

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### Software Systems Laboratory

*Undergraduate Research Assistant*

Jan. 2016 - Present

*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

*Undergraduate Research Assistant*

June 2014 - April 2015

*Ann Arbor, MI*

- SmartDig: Computer vision techniques to perform automatic, accurate pose-estimation of excavators

### S.M. Wu Manufacturing Research Center

*Undergraduate Research Assistant*

Jan. 2014 - Dec. 2014

*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

*Software Engineering Intern*

May 2017 - July 2017

*Seattle, WA*

- BigQuery

### Google

*Software Engineering Intern*

May 2016 - Aug. 2016

*Mountain View, CA*

- Cloud Technical Infrastructure: Kernel Virtualization

### Epic Systems Corporation

*Software Development Intern*

May 2015 - Aug. 2015

*Verona, WI*

- InPatient: Scoring System Analysis and Visualization

## TEACHING

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