

Randy Zhou

Education

2017 - Expected 2021 **B.A. Computer Science**, *GPA: 3.88*
Cornell University

Research

2019 - Present **Cornell University**, Ithaca, NY
Advisor: Professor Christina Delimitrou

- Evaluated benchmark/application performance on heterogeneous datacenter architectures (processing-in-memory) by identifying memory hotspots and running simulations using the architectural simulator ZSim.
- Investigated effects of garbage collection on cloud microservice performance for use in a deployment debugging system based on unsupervised machine learning.

Teaching

Fall 2020 **Teaching Assistant**, Distributed Computing Principles (Cornell CS5414)

Spring 2020 **Teaching Assistant**, Computer System Organization and Programming (Cornell CS3410)

Fall 2019 **Teaching Assistant**, Computer System Organization and Programming (Cornell CS3410)

Spring 2019 **Teaching Assistant**, Computer System Organization and Programming (Cornell CS3410)

Honors

Fall 2019 Undergraduate TA Recognition Award (Cornell CS3410)

Spring 2018 Undergraduate TA Recognition Award (Cornell CS3410)

2018-2019 Cornell University College of Arts & Sciences Dean's List, 4 semesters

Employment

Summer 2020 **Amazon**, Seattle, WA
Software Development Engineer Intern

Implemented and deployed a data transformation service for company-wide compliance with data privacy legislature using AWS technologies such as Lambda, Cloudformation and S3.

Summer 2019

Savvas, Boston, MA

Software Development Engineer Intern

Automated initial project scaffolding and setup of commonly used libraries/services for new micro-frontend, backend-for-frontend and microservice projects by using Angular schematics.

Languages

English, Mandarin

November 2020