Jiangchen Zhu

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EDUCATION

University of Michigan, Ann Arbor, MI
B.S. in Computer Science   May 2020 (projected)
GPA: 3.96/4.00
Coursework: Operating Systems, Web Systems, Machine Learning, Cryptography, Distributed Systems, Computer Networks, Database Systems.

Shanghai Jiao Tong University, Shanghai, China
B.S. in Electrical and Computer Engineering   Aug 2020 (projected)
GPA: 3.77/4.00
Coursework: Analog Circuits, Logic Circuit Design, Introduction to Programming.

RESEARCH & PROJECTS

Broken Web and Efficient Web Archive   May 2019—Present
Advised by: Prof. Harsha V. Madhyastha
- Estimated the extent to which the Web is broken in each year from 1999 to 2019. Analyzed the broken reasons and their impacts on the understandability of an article page.
- Designed efficient solutions to only crawl images related to the page contents and other important resources, and avoid storing identical images from different references.
- Designed corresponding storage system for future access.

Course Projects   Feb 2019—April 2019
- Designed and implemented a multi-threading file server that supports multiple users to create, read, write and delete shared and private files under encrypted communications.
- Implemented "Insta485", a photo sharing website, using HTML templates, Python Flask server-side and AJAX client-side programming. Supported multi-user and most of the basic functions on Instagram.

EXPERIENCES

University of Michigan, Ann Arbor, MI
Discrete Mathematics Grader   Sept 2018—Dec 2018
- Graded weekly Discrete Mathematics homework

Shanghai Jiao Tong University, Shanghai, China
Honors Physics Teaching Assistant   May 2018—Aug 2018
- Prepared course materials and experiments.
- Led discussion classes, held office hours, and graded homework and exams.