

Suyan Qu

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Education:

University of Wisconsin - Madison

PhD in Computer Sciences

August 2021 - Present

- Advisors: Prof. Remzi Arpaci-Dusseau & Prof. Andrea Arpaci-Dusseau
- Research Areas: storage systems, distributed systems, serverless computing, blockchain technologies

Double Major in Computer Science (B.S.) and Mathematics (B.S.).

August 2017 - May 2021

GPA: 3.985

Research:

- MadFS: Per-File Virtualization for Userspace Persistent Memory Filesystems. Shawn Zhong, Chenhao Ye, Guanzhou Hu, [Suyan Qu](#), Andrea C. Arpaci-Dusseau, Remzi H. Arpaci-Dusseau, Michael M. Swift. 2023. In Proceedings of the 21st USENIX Conference on File and Storage Technologies (FAST '23).
- Performance, Consistency, and Programmability for Serverless Applications with LAMBDASTORE. Kai Mast, [Suyan Qu](#), Aditya Jain, Andrea C. Arpaci-Dusseau, Remzi H. Arpaci-Dusseau. Paper under submission.
- CBox: Towards a Unified Blockchain System Evaluation Framework. [Suyan Qu](#), Andrea C. Arpaci-Dusseau, Remzi H. Arpaci-Dusseau. Paper under submission: <https://www.youtube.com/watch?v=GoAO2MNU0Oo&t=3310s>

Work Experience:

Software Engineer Intern

Ava Labs

June 2025 - Present

Currently working on a correctness checker for Firewood. Internship scope includes designing and implementing authenticated storage engines that better suit blockchain workloads.

Software Engineer Intern

Facebook, Inc., Menlo Park,

May 2020 - August 2020, May 2021 - August 2021, May 2022 - August 2022

Worked in the FAST Notification ML Team in the summer of 2020. Projects include developing a new notification type (full-stack), adding logging for analysis on notifications, and creating a new data pipeline. Worked in the Warm Storage Team in the summer of 2021. The project is to extend the stress testing tool to perform durability testing under various conditions. Worked in the Malware Analysis Infra Team in the summer of 2022. The project is to build an interactive command line interface and a web interface for malware analysis reports

Software Development Engineer Intern

Amazon.com, Inc., Seattle, WA

June 2019 - August 2019

Worked on the Amazon Prime Video Resilience Engineering team. My intern project was to automatically set up monitors for service endpoints that notify service owners when their endpoints are about to be overloaded.

Services:

Director/Program Manager

Association of Computational and Mathematical Modeling (AoCMM)

May 2016 - June 2020

Worked on the operation and maintenance of the official website and held the annual competition (including contacting sponsors, judges, problem-making, etc). I also worked in public relations to promote AoCMM before becoming the director. AoCMM was a non-profit organization aiming to provide students all around the world a chance to learn and experience math modeling.

Artifact Evaluation Committee: OSDI'25

Teaching:

Teaching Assistant

Department of Computer Science, UW-Madison

August 2021 - May 2023

Worked as a teaching assistant for CS 537, Intro to Operating Systems with Professor Remzi Arpaci-Dusseau in Fall 2021 and Fall 2022, and with Professor Michael Swift in Spring 2022; for CS544, Intro to Big Data Systems with Dr. Tyler Caraza-Harter in Spring 2023 and Fall 2023 (Head TA), and with Dr. Meenakshi Syamkumar in Spring 2024 (Head TA)