Zhengyu Wu

✉ zhenwu@cs.stonybrook.edu

○ Zhengyu
in Zhengyu Wu

About Me

I am a first-year Computer Science Ph.D Student at Stony Brook University. I work in the NetSys Lab with my advisor, Aruna Balasubramanian. My research interests include network performance, mainly peer-to-peer networks and decentralized distributed storage systems.

Education

Ph.D Student in Computer Science   **Jan 2022 - Present**
Stony Brook University, New York, USA   GPA: 3.93/4.0
                                                        Advisor: Prof. Aruna Balasubramanian

B.S. Computer Science   **Aug 2017 - May 2021**
Stony Brook University, New York, USA   GPA: 3.80/4.0

Publication

Is IPFS Ready for Decentralized Video Streaming?   **WWW2023**
ChengHao Ryan Yang, Zhengyu Wu, Santiago Vargas, and Aruna Balasubramanian.

- The video playback experience on IPFS suffers from network instability and static video quality. Traditional ABR streaming performs poorly due to inaccurate network estimation. The proposed IPFS-aware algorithm, called Telescope, can update ABR's estimation on the fly and significantly improve the video playback experience.

Work Experience

Graduate Teaching Assistant   **Fall 2021 - Fall 2022**
Stony Brook University   *New York*

- Graduate teaching assistant for Introduction to Network Administration. Introduced students with hands-on experience on fundamentals of network management, such as TCP/IP networking protocols, hardware, architecture, media, and software.
- Graduate teaching assistant for Computer Networks. Helped students learn the fundamental structure of the Internet.

Web/Database Support   **Sep 2020 - Dec 2020**
Stony Brook University   *New York*

- Maintained the Computer Science Department's websites at Stony Brook University by using Drupal, a widely used content management system (CMS), and MySQL.

Undergraduate Teaching Assistant   **Spring 2019, Fall 2019**
Stony Brook University   *New York*

- Undergraduate teaching assistant for Computer Science I. Helped students learn the fundamentals of objective programming.
- Undergraduate teaching assistant for Fundamentals of Software Development. Introduced students to systematic design, development and testing of software systems.

Founder   **Jun 2018 - Present**
Hoshiro Entertainment   *New York*

- Founded a company services translating games from Japanese to English and Chinese.
- Successfully maintained a group of over 10 translators and helped partners reach over a million dollar in sales.

Skills

Programming   Python, Go, Java, C, Git, LaTeX, MarkDown

Communication   Chinese (native), English (business), Japanese (conversational)