

# YUNHAO ZHANG

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## EDUCATION

- 
- Cornell University**, Ithaca, United States Sep 2017 - Present
- *Ph.D. student* in computer science, supervised by Lorenzo Alvisi
  - *President (2019 - 2020)* in computer science graduate organization (CSGO)
- Shanghai Jiao Tong University**, Shanghai, China Sep 2013 - Jun 2017
- *B.E.* in software engineering
  - Overall GPA: 3.77/4.0, Major GPA: 4.0/4.0
  - Outstanding graduation thesis of Shanghai Jiao Tong University (*Top 1%*)

## PUBLICATION

- 
- Byzantine ordered consensus without Byzantine oligarchy.** Yunhao Zhang, Srinath Setty, Qi Chen, Lidong Zhou and Lorenzo Alvisi. In Proceedings of the 14th USENIX Symposium on Operating Systems Design and Implementation (OSDI'20)
- Sub-millisecond Stateful Stream Querying over Fast-evolving Linked Data.** Yunhao Zhang, Rong Chen and Haibo Chen. In Proceedings of the 26th ACM Symposium on Operating Systems Principles (SOSP '17)

## TEACHING

- 
- Practicum in Operating Systems (Cornell CS4411)** Fall 2020
- *Instructor*, organize course materials and give lectures
  - Design and develop a new series of OS projects running on RISC-V microarchitecture
- Operating Systems (Cornell CS4410)** Fall 2018, Spring 2019, Spring 2020
- *Teaching assistant*, CS department outstanding teaching award (2019, 2020)
  - Organize about 20 TAs and support about 300 students
- Networked and Distributed Systems (Cornell CS5450)** Fall 2017
- *Teaching assistant*, CS department outstanding teaching award (2018)

## RELEVANT EXPERIENCE

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- Systems Group**, Microsoft Research Asia May 2019 - Aug 2019  
*Supervisor: Qi Chen and Lidong Zhou*
- Work on blockchains and Byzantine fault-tolerant distributed computing
- Institute of Parallel and Distributed Systems**, SJTU Nov 2015 - Jun 2017  
*Supervisor: Rong Chen and Haibo Chen*
- Work on fast and concurrent stream queries with RDMA-based distributed key-value store  
open-sourced repository: [ipads.se.sjtu.edu.cn:1312/opensource/wukong](https://ipads.se.sjtu.edu.cn:1312/opensource/wukong)

## SELECTED HONORS

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- President of computer science graduate organization (CSGO) Sep 2019 - Sep 2020
- CS department outstanding teaching award May 2018, May 2019, May 2020
- Tang Lixin fellowship Oct 2016
- Silver Prize*, User eXperience Design Award (UXD Award 2015) Nov 2015
- Tung OOCL (Orient Overseas Container Line Ltd.) fellowship Mar 2015
- Bronz Prize*, National Olympiad in Informatics (NOI2012) Aug 2012

## STARTUP EXPERIENCE

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**Xichao Culture&Media Co., Ltd.** Shanghai, China

Oct 2014 - Jun 2016

*IT Group Leader*

- IT group recruitment and management
- Build and maintain information systems for SJTU official souvenir stores (based on *OpenCart*)

**7SensesLabs Co., Ltd.** Shenzhen, China

May 2015 - Sep 2015

*Unity Game Developer*

- Build the first prototype of Solbit education robot (*product website*)

## OUTREACH EXPERIENCE

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**Sri Lanka Orphanage Program** Pinawalla, Sri Lanka

Aug 2015

- Teach math and art in local orphanage, organized by Oriental Connect International Volunteer Association (OCIVA Hong Kong)

**Teacher Summer Institute Program** Binchuan, Yunnan, China

Aug 2014

- Teach Microsoft office skills for one hundred high school teachers, organized by Technology Education Connecting Cultures (TECC China)

## SKILLS

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Editor: Emacs

Markup languages:  $\LaTeX$ , Markdown, HTML

Programing languages: C/C++, Golang, Python, Java, Scala, OCaml, Octave (Matlab)

Libraries and platforms: Open MPI, Apache Spark, Apache Storm, OpenGL, Intel<sup>®</sup> RealSense<sup>™</sup>SDK