

# Nuda (Tony) Zhang

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## Education

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### University of Michigan

PHD PRE-CANDIDATE IN COMPUTER SCIENCE

Supervised by Manos Kapritsos

*Ann Arbor, MI*

*Aug 2019 - Present*

### Cornell University

B.A. IN COMPUTER SCIENCE AND MATHEMATICS

*Ithaca, NY*

*Aug 2015 - Dec 2018*

## Peer-Reviewed Publications

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- PODC'20** Brief Announcement: On the Significance of Consecutive Ballots in Paxos,  
*Eli Goldweber, Nuda Zhang, Manos Kapritsos*

## Relevant Experience

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### University of Michigan at Ann Arbor

GRADUATE RESEARCHER

- Studying the art of reliable distributed systems, supervised by Manos Kapritsos
- Work on formal verification of distributed systems

*Ann Arbor, MI*

*2019 - Present*

### Oracle

SOFTWARE ENGINEER

- Work on the TimesTen in-memory database system

*Redwood Shores, CA*

*2019*

### Cornell University

UNDERGRADUATE RESEARCH ASSISTANT

- Work on state machine replication and Byzantine distributed transaction systems, supervised by Robbert van Renesse and Lorenzo Alvisi

*Ithaca, NY*

*2018*

### Institute of High Performance Computing

SUMMER RESEARCH INTERN

- Work on cancer cell detection using computer vision techniques

*Singapore*

*2017*

## Teaching Experience

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### CS 4820: Introduction to Analysis of Algorithms

TEACHING ASSISTANT

*Cornell University*

*2018*

### CS 2110: Object-Oriented Programming & Data Structures

RECITATION INSTRUCTOR

*Cornell University*

*2017 - 2018*

## Activities

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### Computer Science and Engineering Graduate student organization

*University of Michigan at Ann Arbor*

TEA CHAIR

*2020 - Present*

- Organize weekly tea socials, among other service to the graduate student body

### Association of Computer Science Undergraduates

*Cornell University*

RESEARCH TEAM LEAD

*2017-2018*

- Led the Undergraduate Reading Group initiative, focusing on exposing underclassman to seminal research not taught in introductory classes
- Organized campus-wide events such as tech workshops and the semesterly student-faculty luncheon

## Honors & Awards

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|---------|---|-----------------------------|
| 2018    | <b>Participant</b> , Cornell, Maryland, Max Planck Pre-doctoral Research School   | <i>Saarbrücken, Germany</i> |
| 2015-18 | <b>Recipient</b> , Dean's List, all semesters                                     | <i>Cornell University</i>   |
| 2013-14 | <b>National Serviceman</b> , Completed 2 years of full-time National Service      | <i>Singapore</i>            |
| 2013    | <b>Recipient</b> , Singapore A*STAR National Science Scholarship (declined offer) | <i>Singapore</i>            |
| 2011    | <b>Silver Medal</b> , 24 <sup>th</sup> International Young Physicists' Tournament | <i>Tehran, Iran</i>         |

## Technical Reports

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- arXiv:2006.01885** On the Significance of Consecutive Ballots in Paxos,  
*Eli Goldweber, **Nuda Zhang**, Manos Kapritsos*