

# Yuncong Hu

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## EDUCATION

**University of California at Berkeley, USA**

Ph.D., Computer Science

Advisor: Raluca Ada Popa and Alessandro Chiesa

Aug. 2017 - Present

**University of California at Berkeley, USA**

Master, Computer Science

Advisor: Raluca Ada Popa and Alessandro Chiesa

Aug. 2017 - May. 2020

**Shanghai Jiao Tong University(SJTU), China**

B.S., Computer Science (ACM Honored Class), Zhiyuan College

Sept. 2013 - Jun. 2017

## PUBLICATIONS

- **Gemini: elastic SNARKs for diverse environments** In Submission  
(alphabetical order) Jonathan Bootle, Alessandro Chiesa, **Yuncong Hu** and Michele Orrù
- **Non-Interactive Differentially Anonymous Router** In Submission  
(alphabetical order) Benedikt Bünz, **Yuncong Hu**, Shin'ichiro Matsuo and Elaine Shi
- **Merkle<sup>2</sup>: A Low-Latency Transparency log system** IEEE S&P 2021  
**Yuncong Hu**, Kian Hooshmand, Harika Kalidhindi, Seung Jin Yang and Raluca Ada Popa
- **Marlin: Preprocessing zkSNARKs with Universal and Updatable SRS** EUROCRYPT 2020  
(alphabetical order) Alessandro Chiesa, **Yuncong Hu**, Mary Maller, Pratyush Mishra, Noah Vesely and Nicholas P. Ward
- **Ghostor: Toward a Secure Data-Sharing System from Decentralized Trust** NSDI 2020  
**Yuncong Hu\***, Sam Kumar\* and Raluca Ada Popa (\*co-primary author)
- **JEDI: Many-to-Many End-to-End Encryption and Key Delegation for IoT** USENIX Security 2019  
Sam Kumar, **Yuncong Hu**, Michael P Andersen, Raluca Ada Popa and David E. Culler

## HONORS AND AWARDS

- **Boot Camp Project Grand Prize Winners (top 1)**, IC3-Ethereum Crypto Boot Camp and Workshop, 2016
  - Blog: <https://z.cash/blog/zksnarks-in-ethereum.html>
  - Report: <https://www.initc3.org/events/2016-07-20-ic3-ethereum-crypto-boot-camp-and-workshop-at-cornell-university>

- **Hui-Chun Chin and Tsung-Dao Lee Chinese Undergraduate Research Endowment Receiver**, Shanghai Jiao Tong University, 2016
- **Academic Excellence Scholarship (top 5% in SJTU)**, Shanghai Jiao Tong University, 2015
- **Academic Excellence Scholarship (top 5% in SJTU)**, Shanghai Jiao Tong University, 2014
- **“AStar” Finalists (top 50 over 7000 contestants)**, Programming Contest hold by Baidu, 2014
- ACM-ICPC (International Collegiate Programming Contest) Asia Regional
  - **10th Place** in Taichung site & **The First Blood Prize** in Xian site, 2014
  - **Gold Medal** in Hangzhou site, 2013
- **Silver medal (recommended for admission to SJTU)**, National Olympiad in Informatics, China, 2012

### **TEACHING EXPERIENCE**

- |  |             |
|--|-------------|
| • Teaching Assistant in Computer Security (CS161), University of California at Berkeley            | Fall 2021   |
| • Teaching Assistant in Security in Computer Systems (CS261), University of California at Berkeley | Fall 2018   |
| • Teaching Assistant in Database System of ACM Honored Class, SJTU                                 | Spring 2017 |
| • Teaching Assistant in Compiler Design and Implementation of ACM Honored Class, SJTU              | Spring 2016 |