

Zonghao Huang

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EDUCATION

Duke University <i>Ph.D. in Computer Science (Advisor: Prof. Michael K. Reiter)</i>	Durham, NC, USA Aug. 2020 - Present
Oklahoma State University <i>M.S. in Electrical & Computer Engineering</i>	Stillwater, OK, USA Jan. 2017 - Dec. 2019
Nanyang Technological University <i>M.S. in Electronics</i>	South West, Singapore Aug. 2015 - Jul. 2016
Xiamen University <i>B.Eng. in Electronic & Information Engineering</i>	Xiamen, Fujian, China Sept. 2011 - Jul. 2015

RESEARCH EXPERIENCE

Research Intern <i>Department of Computer Science, The University of Hong Kong, Hong Kong, China</i> Research: Privacy-preserving Algorithms and Distributed Optimization, Advisor: Dr. Hubert T. H. Chan	Oct. 2020 - Feb. 2021
Graduate Research Assistant <i>School of Electrical and Computer Engineering, Oklahoma State University, Stillwater</i> Research: Differentially Private Distributed Optimization	Jan. 2017 - Jul. 2019

PUBLICATIONS AND MANUSCRIPTS

- **Zonghao Huang**, Neil Gong, Michael K. Reiter, “Mendata: A Framework to Purify Manipulated Training Data”, *Manuscript*, 2023.
- **Zonghao Huang**, Lujo Bauer, Michael K. Reiter, “The Impact of Exposed Passwords on Honeyword Efficacy”, *Manuscript*, 2023.
- **Before Ph.D.:**
 - **Zonghao Huang**, Yanmin Gong, “Differentially Private ADMM for Convex Distributed Learning: Improve Accuracy with Multi-Step Approximation”, *Manuscript*, 2020.
 - **Zonghao Huang**, Rui Hu, Yuanxiong Guo, Eric Chan-Tin, Yanmin Gong, “DP-ADMM: ADMM-based Distributed Learning with Differential Privacy”, *IEEE Transactions on Information Forensics and Security* 15:1002–1012, January 2020.
 - **Zonghao Huang**, Miao Pan, Yanmin Gong, “Robust Truth Discovery Against Data Poisoning in Mobile Crowdsensing”, In *Proceedings of the IEEE Global Communications Conference*, December 2019.
 - **Zonghao Huang**, Yanmin Gong, “Differential Location Privacy for Crowdsourced Spectrum Sensing”, In *Proceedings of the 5th IEEE Conference on Communications and Network Security*, October 2017.

AWARDS AND HONORS

• Duke Graduate Fellowship , Duke University, USA	2020, 2021
• Student Travel Grant for IEEE CNS 2017 , NSF and ARO, USA	2017
• First-Class Scholarship of Academic Excellence , Xiamen University, China	2015, 2013, 2012
• Scholarship of Recreation and Sports Excellence , Xiamen University, China	2015
• Second-Class Scholarship of Academic Excellence , Xiamen University, China	2014

TEACHING EXPERIENCE

COMPSCI 371 Elements of Machine Learning <i>Teaching Assistant, Department of Computer Science, Duke University</i>	Fall 2022
COMPSCI 520 Numerical Analysis <i>Teaching Assistant, Department of Computer Science, Duke University</i>	Spring 2022
ECEN 4024 Senior Design 2 <i>Teaching Assistant, School of Electrical and Computer Engineering, Oklahoma State University, Stillwater</i>	Fall 2019

ACADEMIC ACTIVITIES

- **Reviewer for Conference Manuscript Submissions :**
 - IEEE INFOCOM 2018, IEEE ICC 2018, IEEE CNS 2018.
- **External Reviewer for Conference Manuscript Submissions :**
 - ESORICS 2021.
- **Journal Reviewer:**
 - IEEE Transactions on Information Forensics and Security.
 - IEEE Transactions on Automatic Control.

PROGRAMING SKILLS AND LANGUAGES

- **Programming:** MATLAB (proficient), Python (proficient), C (good), Latex (proficient)
- **Languages:** English (proficient), Chinese (native), Cantonese (native)