

Han Zhang

Curriculum Vitae

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Research Interests

Computer Networks, Security and Privacy, Mobile Systems, Internet of Things, Program Analysis.

Education

2017–current **PhD student in Computer Science**, Carnegie Mellon University, Pittsburgh, PA.
Advisors: Yuvraj Agarwal, Matt Fredrikson.
GPA:N/A.

2014-2017 **B.S. in Computer Science**, *With High Distinction*, University of Michigan, Ann Arbor, MI.

Publications

USENIX Capture: Centralized Library Management for Heterogeneous IoT Devices.

2021 **Han Zhang**, Abhijith Anilkumar, Matt Fredrikson, Yuvraj Agarwal. To appear in 30th USENIX Security Symposium, August 2021.

VMCAI 2021 Netter: Probablistic, Stateful Network Models.

Han Zhang, Chi Zhang, Arthur Azevedo de Amorim, Yuvraj Agarwal, Matt Fredrickson, and Limin Jia. 22nd International Conference on Verification, Model Checking, and Abstract Interpretation, January 2021.

HotNets Towards Comprehensive Repositories of Opinions.

2016 **Han Zhang**, Kasra Edalat Nejad, Amir Rahmati, and Harsha V. Madhyastha. 15th ACM Workshop on Hot Topics in Networks, Atlanta, GA, November 2016.

Honors and Awards

2021 Qualcomm Innovation Fellowship - Finalist

Peekaboo: Architectural Support for Building Privacy-Sensitive Smart Home Apps.

2019 Qualcomm Innovation Fellowship - Finalist

Do-it-Yourself-Locally: An IoT architecture For Localized DataControl for Privacy and Security.

2015 Summer Undergraduate Research in Engineering Program, University of Michigan.

2014-2015 Undergraduate Research Opportunity Program, University of Michigan.

Talks and Presentations

2021 Capture: Centralized Library Management for Heterogeneous IoT Devices, *USENIX'21-upcoming*.

2021 Netter: Probablistic, Stateful Network Models, *VMCAI'21*.

Teaching

Fall 2019 Teaching assistant, 15-440/640: Distributed Systems, Carnegie Mellon University.

Fall 2016 Teaching assistant, EECS 388: Intro to Computer Security, University of Michigan.