

Gerry Wan

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Education

Stanford University

Ph.D. in Computer Science, expected June 2024
Advised by Prof. Zakir Durumeric

Princeton University

B.S.E. in Electrical Engineering, *summa cum laude*, June 2019
Advised by Prof. Prateek Mittal
Thesis: *Guard Placement Attacks on Path Selection Algorithms for Tor*

Thomas Jefferson High School for Science and Technology

Advanced Studies Diploma, June 2015

Publications

[1] **Retina: Analyzing 100 GbE Traffic on Commodity Hardware**

Gerry Wan, Fengchen Gong, Tom Barbette, and Zakir Durumeric
ACM Special Interest Group on Data Communication (SIGCOMM), August 2022

[2] **On the Origin of Scanning: The Impact of Location on Internet-Wide Scans**

Gerry Wan, Liz Izhikevich, David Adrian, Katsunari Yoshioka, Ralph Holz, Christian Rossow, and Zakir Durumeric
ACM Internet Measurement Conference (IMC), October 2020

[3] **Guard Placement Attacks on Path Selection Algorithms for Tor**

Gerry Wan, Aaron Johnson, Ryan Wails, Sameer Wagh, and Prateek Mittal
Privacy Enhancing Technologies Symposium (PETS), July 2019

Experience

Research Intern, Microsoft

PathBlazer Group, Office of the CTO, Azure for Operators, May-August 2022
Advised by Dr. Sharad Agarwal, Dr. Rachee Singh, Dr. Ryan Beckett, and Dr. Abhishek Udupa

Software Engineer Intern (PhD), Microsoft

Azure PhyNet, Azure Networking Group, June-August 2019
Advised by Dr. Andrew Putnam
Built performance testing framework for Azure Accelerated Networking FPGA SmartNICs.

Software Engineer Intern, Microsoft

Data Engine, Business Applications Group, June-August 2018
Reduced response times for Dynamics365 offline database synchronization framework.

Speaking

- July 2022 Retina: Analyzing 100 GbE Traffic on Commodity Hardware
University of Chicago, Remote
- July 2022 Retina: Analyzing 100 GbE Traffic on Commodity Hardware
Microsoft AFO, Remote
- December 2020 Passive Analysis for Large-Scale Internet Security Research
Stanford Systems Seminar, Remote
- October 2020 Passive Analysis for Large-Scale Internet Security Research
IMC 2020, Remote
- October 2020 On the Origin of Scanning: The Impact of Location on Internet-Wide Scans
Stanford Security Lunch Stanford, CA
- November 2019 Guard Placement Attacks on Path Selection Algorithms for Tor
Stanford Security Lunch Stanford, CA
- July 2019 Guard Placement Attacks on Path Selection Algorithms for Tor
PETS 2019, Stockholm, SE

Service

Subreviewer

- USENIX Symposium on Networked Systems Design and Implementation (NSDI), 2021
- CCS Workshop on Privacy Preserving Machine Learning in Practice (PPMLP), 2020
- ACM Internet Measurement Conference (IMC), 2020, 2021
- USENIX Security Symposium (SEC), 2020

Volunteering

- Stanford Computer Science Student Applicant Support Program, 2020, 2021
- Princeton Electrical Engineering Website Design Committee (ece.princeton.edu), 2019

Teaching

Teaching Assistant, Building Real Systems (Car Lab)

ELE 302, Princeton University, Spring 2019

Teaching Assistant, Operating Systems

COS 318, Princeton University, Fall 2018

Teaching Assistant, Contemporary Logic Design

ELE 206/COS 306, Princeton University, Fall 2017

Teaching Assistant, Introductory Computer Science Sequence

COS 126, 226, 217, Princeton University, Spring 2017-2018

Honors and Awards

Calvin Dodd MacCracken Senior Thesis Award

Princeton University School of Engineering and Applied Science, 2019

For the senior thesis that is most distinctive for its inventiveness and technical accomplishment.

Hisashi Kobayashi Prize

Princeton University Department of Electrical Engineering, 2019

For an outstanding record in the broad field of computing.