

Stanford



Zakir Durumeric

Assistant Professor of Computer Science

Bio

BIO

I am an Assistant Professor of Computer Science at Stanford University. My research brings a large-scale, empirical approach to the study of security, abuse, and misinformation on the Internet. I build systems to measure complex networked ecosystems, and I use the resulting perspective to understand online behavior, uncover weaknesses, architect more resilient protocols/platforms, and guide policy decisions.

ACADEMIC APPOINTMENTS

- Assistant Professor, Computer Science

PROFESSIONAL EDUCATION

- Ph.D., University of Michigan , Computer Science and Engineering (2017)

LINKS

- <https://zakird.com>: <https://zakird.com>

Teaching

COURSES

2022-23

- Computer and Network Security: CS 155 (Spr)
- The Modern Internet: CS 249I (Win)
- Topics in Computer and Network Security: CS 356 (Aut)

2021-22

- Computer and Network Security: CS 155 (Spr)
- The Modern Internet: CS 249I (Aut)
- Topics in Computer and Network Security: CS 356 (Win)

2020-21

- Computer and Network Security: CS 155 (Spr)
- Topics in Computer and Network Security: CS 356 (Aut)

2019-20

- Computer and Network Security: CS 155 (Spr)

- Topics in Computer and Network Security: CS 356 (Aut)

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Gautam Akiwate, Deepak Kumar

Doctoral Dissertation Advisor (AC)

Liz Izhikevich

Master's Program Advisor

Clément Bouden, Krain Chen, Isaac Cheruiyot, Maggie Gray, Michael Hayashi, Alexandra Moore, Pooja Sethi, Sanjari Srivastava, Ellie Vela, Eli Wald, Carl Zhang, Daniel Zhang

Doctoral (Program)

Catherine Han, Hans Hanley, Liz Izhikevich, Kimberly Ruth, Gerry Wan

Publications

PUBLICATIONS

- **Designing Toxic Content Classification for a Diversity of Perspectives**
Kumar, D., Kelley, P., Consolvo, S., Mason, J., Bursztein, E., Durumeric, Z., Thomas, K., Bailey, M., USENIX Assoc
USENIX ASSOC.2021: 299-317
- **What's in a Name? Exploring CA Certificate Control**
Ma, Z., Mason, J., Antonakakis, M., Durumeric, Z., Bailey, M., USENIX Assoc
USENIX ASSOC.2021: 4383-4400
- **LZR: Identifying Unexpected Internet Services**
Izhikevich, L., Teixeira, R., Durumeric, Z., USENIX Assoc
USENIX ASSOC.2021: 3111-3128
- **Let's Encrypt: An Automated Certificate Authority to Encrypt the Entire Web**
Aas, J., Barnes, R., Case, B., Durumeric, Z., Eckersley, P., Flores-Lopez, A., Halderman, J., Hoffman-Andrews, J., Kasten, J., Rescorla, E., Schoen, S., Warren, B., ACM
ASSOC COMPUTING MACHINERY.2019: 2473-87
- **All Things Considered: An Analysis of IoT Devices on Home Networks**
Kumar, D., Shen, K., Case, B., Garg, D., Alperovich, G., Kuznetsov, D., Gupta, R., Durumeric, Z., USENIX Assoc
USENIX ASSOC.2019: 1169-85
- **Tracking Certificate Misissuance in the Wild**
Kumar, D., Wang, Z., Hyder, M., Dickinson, J., Beck, G., Adrian, D., Mason, J., Durumeric, Z., Halderman, J., Bailey, M., IEEE
IEEE.2018: 785-98