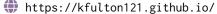
Kelsey Fulton, Ph.D.

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Employment History

2023 – Present Assistant Professor. Department of Computer Science. Colorado School of Mines.

Education

2017 - 2023	Ph.D. Computer Science, University of Maryland
	Thesis title: Understanding and Improving Secure Development from a Human-Centered Perspective
2017 – 2019	M.Sc. Computer Science, University of Maryland
2013 – 2017	B.Sc. Computer Science and Mathematics, Millersville University of Pennsylnva- nia

Peer-Reviewed Publications

Conference Proceedings

- Y. Zhao, W. Guo, H. Goldstein, D. Votipka, **K. R. Fulton**, and M. L. Mazurek, "A Qualitative Analysis of Fuzzer Usability and Challenges," in *ACM SIGSAC Conference on Computer and Communications Security*, 2025.
- **K. R. Fulton**, J. Lewis, N. Malkin, and M. L. Mazurek, "Write, Read, or Fix? Exploring Alternative Methods for Secure Development Studies," in *Symposium on Usable Privacy and Security*, 2024. **Our Unit Privacy and Security**, 2024. **Our Unit Privacy a**
- S. Katcher, L. Wang, C. Yang, et al., "A Survey of Cybersecurity Professionals' Perceptions and Experiences of Safety and Belonging in the Community," in *Symposium on Usable Privacy and Security*, 2024. OURL: https://www.usenix.org/conference/soups2024/presentation/katcher.
- **K. R. Fulton**, S. Katcher, K. Song, *et al.*, "Vulnerability Discovery for All: Experiences of Marginalization in Vulnerability Discovery," in *IEEE Symposium on Security and Privacy*, 2023. **O** URL: https://doi.ieeecomputersociety.org/10.1109/SP46215.2023.10179478.
- **K. R. Fulton**, D. Votipka, D. Abrokwa, M. L. Mazurek, M. Hicks, and J. Parker, "Understanding the How and the Why: Exploring Secure Development Practices through a Course Competition," in *ACM SIGSAC Conference on Computer and Communications Security*, 2022. URL: https://dl.acm.org/doi/abs/10.1145/3548606.3560569.
- **K. R. Fulton**, A. Chan, D. Votipka, M. Hicks, and M. L. Mazurek, "Benefits and Drawbacks of Adopting a Secure Programming Language: Rust as a Case Study," in *Symposium on Usable Privacy and Security*, 2021. & URL: https://www.usenix.org/conference/soups2021/presentation/fulton.
- D. Votipka, **K. R. Fulton**, J. Parker, M. Hou, M. L. Mazurek, and M. Hicks, "Understanding security mistakes developers make: Qualitative analysis from Build It, Break It, Fix It," in *USENIX Security Symposium*, 2020. © URL:
 - https://www.usenix.org/conference/usenixsecurity20/presentation/votipka-understanding, **Distinguished paper award winner**.

K. R. Fulton, R. Gelles, A. McKay, Y. Abdi, R. Roberts, and M. L. Mazurek, "The Effect of Entertainment Media on Mental Models of Computer Security," in *Symposium on Usable Privacy and Security*, 2019. **OURL:** https://www.usenix.org/conference/soups2019/presentation/fulton.

Journals

J. Parker, M. Hicks, A. Ruef, et al., "Build It, Break It, Fix It: Contesting Secure Development," ACM Transactions on Privacy and Security, vol. 23, no. 2, pp. 1–36, 2020. © URL: https://dl.acm.org/doi/abs/10.1145/3383773.

Peer-Reviewed Workshops and Posters

- Y. Zhao, W. Guo, H. Goldstein, D. Votipka, **K. R. Fulton**, and M. L. Mazurek, *A Qualitative Analysis of Fuzzer Usability and Challenges*, 2025. URL: https://www.usenix.org/conference/soups2025/presentation/zhao-poster.
- J. Lewis and **K. R. Fulton**, NERDS: A Non-invasive Environment for Remote Developer Studies, 2024.
 © URL: https://dl.acm.org/doi/10.1145/3675741.3675750.
- K. R. Fulton, S. Katcher, K. Song, et al., Vulnerability Discovery for All: Experiences of Marginalization in Vulnerability Discovery, 2022. OURL: https://www.usenix.org/conference/soups2022/presentation/fulton-poster.
- **K. R. Fulton**, D. Votipka, D. Abrokwa, M. L. Mazurek, M. Hicks, and J. Parker, *Understanding the How and the Why: Exploring Secure Development Practices through a Course Competition*, 2022. **9** URL: https://www.usenix.org/conference/soups2022/presentation/fulton-poster-0.
- K. R. Fulton, Y. Abdi, C. Neidhart, M. L. Mazurek, and M. Hicks, Studying the Costs and Benefits of Rust, Compared to C, 2019. URL: https://wsiw2019.sec.uni-hannover.de/downloads/Studying% 20the%20Cost%20and%20Benefits%20of%20Rust%20Compared%20to%20C.pdf.
- 6 R. Gelles, **K. R. Fulton**, R. Walter, and D. Levin, *Detecting IoT Malware with Power Measurements*, 2018.

Awards and Honors

- 2024 **Distinguished Reviewer Award**, USENIX Security
- Noteworthy Reviewer Award, USENIX Security
 - John Karat Usable Security and Privacy Student Research Award
- 2020 Distinguished Paper Award, USENIX Security
- 2016 Student of Academic Distinction, Millersville University of Pennsylvania

Service

Organizing Committee

- 2025 Workshops Co-Chair, Symposium on Usable Privacy and Security (SOUPS)
- 2024 Workshops Co-Chair, Symposium on Usable Privacy and Security (SOUPS)
- 2023 Workshops Junior Co-Chair, Symposium on Usable Privacy and Security (SOUPS)
- 2022 **Posters Junior Co-Chair**, Symposium on Usable Privacy and Security (SOUPS)

Program Committee

- 2026 USENIX Security
 - IEEE Security & Privacy

Service (continued)

- 2025 IEEE ConPro
 - USENIX Security
 - IEEE Security & Privacy
- 2024 USENIX Security
 - IEEE Security & Privacy
 - IEEE ConPro
- 2023 USENIX Security
 - NDSS
- 2022 ACM CCS
 - IEEE ConPro
- 2021 ACM CCS
 - IEEE ConPro

External Reviews

- 2025 ACM CHI
- 2024 ACM CHI
 - ACM CSCW
- 2023 ACM CHI
- 2022 Popets
- 2021 ACM CHI
 - **ACM TOPS**
 - HFES
- 2020 COSE
 - ACM CHI Late Breaking Works

Research Mentoring

Graduate

2025 – Present Kelly Fisher

PhD Computer Science, Colorado School of Mines

Jake Hoekstra

PhD Computer Science, Colorado School of Mines

2024 – Present | Jack Kingham

PhD Computer Science, Colorado School of Mines

Katy Limes

PhD Computer Science, Colorado School of Mines

Undergraduate

Spring 2025 – Fall 2025 **Caroline Schreier**

B.Sc. Computer science, Colorado School of Mines

Fall 2024 – Spring 2025 Rinda Malik

B.Sc. Computer science, Colorado School of Mines

Research Mentoring (continued)

Spring 2024 – Spring 2025

Morgan Steele

B.Sc. Computer science, Colorado School of Mines

Spring 2024 - Fall 2024

Christine Worley

B.Sc. Mathematics, Colorado School of Mines

Fall 2023 – Summer 2024

Max Ketter

B.Sc. Computer science, Colorado School of Mines

2021 - 2024

Joe Lewis

B.Sc. Computer science, University of Maryland

High School

Summer 2024 – Summer 2025

Riley Herchert

Silver Creek High School