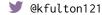
## Kelsey Fulton, Ph.D.



https://kfulton121.github.io/



### **Employment History**

2024 – Present Assistant Professor. Department of Computer Science. Colorado School of Mines.

### **Education**

2017 – 2023	<b>Ph.D. Computer Science, University of Maryland</b> 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-

### **Peer-Reviewed Publications**

#### **Conference Proceedings**

- **K. R. Fulton**, S. Katcher, K. Song, *et al.*, "Vulnerability discovery for all: Experiences of marginalization in vulnerability discovery," in *2023 IEEE Symposium on Security and Privacy (SP)*, 2023, pp. 1997–2014. 

  OURL: 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 *Proceedings of the 2022 ACM SIGSAC Conference on Computer and Communications Security*, 2022, pp. 1141–1155. 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 *Seventeenth Symposium on Usable Privacy and Security (SOUPS 2021)*, 2021, pp. 597–616. 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 *29th USENIX Security Symposium (USENIX Security 20)*, 2020, pp. 109–126. 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 *Fifteenth Symposium on Usable Privacy and Security* (SOUPS 2019), 2019, pp. 79–95. © URL: 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 (TOPS), vol. 23, no. 2, pp. 1–36, 2020. © URL: https://dl.acm.org/doi/abs/10.1145/3383773.

### Peer-Reviewed Workshops and Posters

- **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. **O** 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. **OURL:** https://wsiw2019.sec.uni-hannover.de/downloads/Studying%20the%20Cost%20and%20Benefits%20of%20Rust%20Compared%20to%20C.pdf.
- 4 R. Gelles, **K. R. Fulton**, R. Walter, and D. Levin, *Detecting iot malware with power measurements*, 2018.

#### **Awards and Honors**

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

#### **Service**

#### **Organizing Committee**

- 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**

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

#### **External Reviews**

- 2024 ACM CHI
  - ACM CSCW
- 2023 ACM CHI
- 2022 PoPETS
- 2021 ACM CHI
  - ACM TOPS

# **Service (continued)**

| HFES

2020

COSE

ACM CHI Late Breaking Works

# Research Mentoring

2023 – Present

Max Ketter, Undergraduate researcher

B.Sc. Computer science, Colorado School of Mines

**■** Trevor Sheehy, Undergraduate researcher

B.Sc. Computer science, Colorado School of Mines

2021 – Present

Joe Lewis, Undergraduate researcher

B.Sc. Computer science, University of Maryland