

Kentrell Owens

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EDUCATION

University of Washington

Ph.D., Computer Science and Engineering

M.S., Computer Science and Engineering

Seattle, WA

September 2020 - present

June 2022

Carnegie Mellon University

M.S., Electrical and Computer Engineering with a concentration in Computer Security

Pittsburgh, PA

December 2019

Rice University

B.S., Chemical & Biomolecular Engineering

Houston, TX

May 2016

PEER-REVIEWED PUBLICATIONS

- **Kentrell Owens**, Johanna Gunawan, David Choffnes, Pardis Emami-Naeini, Tadayoshi Kohno, and Franziska Roesner. Exploring Deceptive Design Patterns in Voice Interfaces. European Symposium on Usable Security (**EuroUSEC**), September 2022.
- **Kentrell Owens**, Anita Alem, Franziska Roesner, Tadayoshi Kohno. Electronic Monitoring Smartphone Apps: An Analysis of Risks from Technical, Human-Centered, and Legal Perspectives. **USENIX Security**, August 2022. Press: [EFF](#), [NewScientist](#)
- **Kentrell Owens**, Olabode Anise, Amanda Krauss, Blase Ur. User Perceptions of the Usability and Security of Smartphones as FIDO2 Roaming Authenticators. Symposium on Usable Privacy and Security (**SOUPS**), August 2021.
- **Kentrell Owens**, Camille Cobb, Lorrie Cranor. “You Gotta Watch What You Say”: Surveillance of Communication with Incarcerated People. ACM Conference on Human Factors in Computing Systems (**CHI**), May 2021. *Award: Best Paper Honorable Mention (top 5%)*
Press: [Tech Xplore](#), [CyLab News](#)
- **Kentrell Owens**, Blase Ur, Olabode Anise. A Framework For Evaluating the Usability and Security of Smartphones as FIDO2 Roaming Authenticators. Who Are You?! Adventures in Authentication 2020 Workshop (**WAY**), August 2020.
- **Kentrell Owens**, Alexander Fulton, Luke Jones, Martin Carlisle. pico-Boo: How to avoid scaring students away in a CTF competition. Colloquium for Information System Security Education (**CISSE**), June 2019. *Award: Best Student Paper*

PRESENTATIONS

Conference Talks

- “Exploring Deceptive Design Patterns in Voice Interfaces.” September 2022 at EuroUSEC in Karlsruhe, Germany.
- “Electronic Monitoring Smartphone Apps: An Analysis of Risks from Technical, Human-Centered, and Legal Perspectives.” August 2022 at USENIX Security, Boston, MA, USA.
- “User Perceptions of the Usability and Security of Smartphones as FIDO2 Roaming Authenticators.” August 2021 at SOUPS. Virtual.
- “Considering Privacy when Communicating with Incarcerated People.” June 2021 at PEPR (Conference on Privacy Engineering Practice and Respect). Virtual.
- ““You Gotta Watch What You Say’: Surveillance of Communication with Incarcerated People.” May 2021 at CHI. Virtual.
- “A Framework For Evaluating the Usability and Security of Smartphones as FIDO2 Roaming Authenticators.” August 2020 at WAY. Virtual.

- “pico-Boo: How to avoid scaring students away in a CTF competition.” June 2019 at CISSE, Las Vegas, NV, USA.

Invited Talks

- “Electronic Monitoring Smartphone Apps: An Analysis of Risks from Technical, Human-Centered, and Legal Perspectives.”
 - May 2022 at Oregon State University, hosted by Cora Borradaile (postponed due to COVID-19)
- “‘You Gotta Watch What You Say’: Surveillance of Communication with Incarcerated People.”
 - February 2022 at Boston University series “Confronting Surveillance,” hosted by Gabe Kaptchuk. Virtual.
 - November 2021 at Brown University *Seminar on Community-Driven Cryptography*, hosted by Seny Kamara. Virtual.
 - July 2021 at the Federal Trade Commission (FTC), hosted by Joseph Calandrino. Virtual.
 - April 2021 at NYU Privacy Seminar, hosted by Rachel Greenstadt. Virtual.

Panels

- May 2023, “Challenging Carceral Surveillance” at George Washington University Law School in Washington, D.C.

Posters

- **Kentrell Owens**, Mengchen Yong, Neha Sridhar, Ziheng Ni, Joshua Tan, Lorrie Cranor. “Studying Passwords to Create Domain-Specific Blocklists.” Symposium on Usable Privacy and Security (SOUPS). August 2019.

PROFESSIONAL SERVICE

- Organizer:
 - Symposium on Usable Privacy and Security (SOUPS) 2023 Junior Co-Chair for Posters
- Program Committee Member:
 - Usable Security and Privacy (USEC) Symposium, 2023
 - Workshop on Inclusive Privacy and Security (WIPS), 2022
 - Conference on Privacy Engineering Practice and Respect (PEPR), 2022
 - Privacy Enhancing Technologies Symposium (PETS) Artifact Evaluation Committee, 2022
 - Privacy Enhancing Technologies Symposium (PETS) Artifact Evaluation Committee, 2021
 - Who Are You?! Adventures in Authentication Workshop (WAY), 2021
 - Workshop on Inclusive Privacy and Security (WIPS), 2021
 - Symposium on Usable Privacy and Security (SOUPS) Poster Jury, 2021
 - Symposium on Usable Privacy and Security (SOUPS) Poster Jury, 2020
- Invited External Reviewer:
 - ACM Conference on Human Factors in Computing Systems (CHI), 2023
 - ACM Conference on Computer Supported Cooperative Work (CSCW), 2023
 - ACM Conference on Computer Supported Cooperative Work (CSCW), 2021
 - ACM Conference on Human Factors in Computing Systems (CHI) Case Studies, 2021

OUTREACH AND COMMUNITY SERVICE

Computing Outreach

- Panelist for Black Researchers @ Microsoft Research’s “Thriving During a PhD Program” panel, August 2021
- Panelist for CV/ML Graduate School Prep Workshop, April 2021

- Panelist for UW National Society of Black Engineers (NSBE) Graduate Student Panel, February 2021

Department Service

- Faculty Recruiting Liaison, 2022-2023
- New Graduate Student Mentor, 2021-2022, 2022-2023
- Pre-application Mentoring Service (PAMS) mentor, Fall 2021, 2022
- LEAP Alliance Panelist, March 2022
- Co-organizer of New Graduate Student Orientation, Fall 2021
- Department steward for the UW Academic Student Employee union (UAW 4121), May 2021-
- Panelist for Admitted Students' Day, March 2021

Other

- Co-founder of Black Graduate Student Association (BGSA) at the University of Washington, Fall 2020
- President of National Society of Black Engineers (NSBE), Rice University Chapter, 2015-2016

AWARDS

Paper Awards

- Best Paper Honorable Mention (top 5%), ACM Conference on Human Factors in Computing Systems, 2021
- Best Student Paper, Colloquium for Information System Security Education (CISSE), 2019

Research Awards

- Seattle Chapter ARCS Foundation Scholar Award (2020)
- UW College of Engineering Dean's Fellowship (2020)
- GEM Fellowship (2018, 2020)

Travel Grants

- USENIX Security Grants for Black Computer Science Students (2022)
- SOUPS Grants for Black Computer Science Students (2021)
- USENIX Security Grants for Black Computer Science Students (2020)
- CRA Grad Cohort for IDEALS (2019, 2020)
- SOUPS Student Grant (2019)
- GREPSEC (2019)

Scholarships

- QuestBridge National College Match Fellowship (2012)

RELEVANT WORK EXPERIENCE

Academic Research Experience

- Graduate Student Researcher in UW CSE's Security and Privacy Lab September 2020 - present
- Graduate Student Researcher in CMU's CyLab September 2018 - Dec 2019
- Scientific Computing Summer Intern at Simula Research Laboratory (Oslo, Norway) Summer 2018

Industry Work Experience

- CyTRICS Intern at Idaho National Lab Summer 2020
- Data Science Intern at Duo Security Spring 2020

MEDIA COVERAGE

- Covered by the **EFF**'s DeepLinks Blog, "Study of Electronic Monitoring Smartphone Apps Confirms Advocates' Concerns of Privacy Harms," <https://www.eff.org/deeplinks/2022/09/study-electronic-monitoring-smartphone-apps-confirms-advocates-concerns-privacy>
- Covered by **Truthout**, "We Need a New Paradigm to Halt the Unprecedented Growth of Electronic Monitoring," <https://truthout.org/articles/we-need-a-new-paradigm-to-halt-the-unprecedented-growth-of-electronic-monitoring/>
- Interviewed and quoted by **NewScientist**, "Apps used as alternatives to prison in US found to have privacy flaws," <https://www.newscientist.com/article/2336473-apps-used-as-alternatives-to-prison-in-us-found-to-have-privacy-flaws/>
- Interviewed and quoted by **Reuters**, "U.S. prisons mull AI to analyze inmate phone calls," <https://www.reuters.com/article/us-usa-tech-prison-idUSKBN2FA000>