Elijah Bouma-Sims

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Education

2021 – 2026 (estimated) — Ph.D. Societal Computing, Carnegie Mellon University.
Research Area: usable privacy and security. GPA: 4.14

2021 – 2023 — M.S. Societal Computing, Carnegie Mellon University

2017 – 2021 — B.S. Computer Engineering. B.A History. North Carolina State University
Graduated Summa Cum Laude with honors in history. GPA: 4.0

Work Experience

Aug. 2023 – Dec. 2023 — Teaching Assistant, Carnegie Mellon University
Pittsburgh, PA, USA
Served as a TA for Usable Privacy and Security (17-734). Held office hours, gave lectures, wrote course materials, graded assignments, and managed other teaching assistants.

May 2021 – Aug. 2021 — Research Assistant, Max Planck Institute for Security and Privacy.
Bochum, DE.
Conducted research with Dr. Yasemin Acar on gender data practices among developers

Aug. 2019 — May 2021 — Research Assistant, North Carolina State University.
Raleigh, NC, USA
Conducted research with Dr. Brad Reaves on robocalls and other forms of fraud.

May. 2020 — Jul. 2020 — Technical Intern, Cisco.
Raleigh, NC, USA
Worked on the Security Automation and Visibility team to improve dependency scanning tools

Jun. 2019 — Aug. 2019 — Technical Intern, SAS.
Cary, NC, USA
Worked on the Development and Life-cycle Testing team to test and deploy SAS enterprise software.

Jan. 2018 — Dec. 2018 — Writing Assistant, North Carolina State University.
Raleigh, NC, USA
Tutored undergraduate students in writing at the University Tutorial Center

Publications

Conference / Workshop Proceedings

1 **E. Bouma-Sims**, H. Hassan, A. Nisenoff, L. F. Cranor, and N. Christin, ""it was honestly just gambling": Investigating the experiences of teenage cryptocurrency users on reddit," in *Twentieth Symposium on Usable Privacy and Security (SOUPS 2024)*, Philadelphia, PA: USENIX Association, Aug. 2024, pp. 333–352, ISBN: 978-1-939133-42-7. [Online]. Available: https://www.usenix.org/conference/soups2024/presentation/bouma-sims.

2 **E. Bouma-Sims**, S. Ananda Kumar, and L. Cranor, "Exploring the privacy experiences of closeted users of online dating services in the us," in *Proceedings on Privacy Enhancing Technologies*, 2024. DOI: 10.56553/popets-2024-0046. [Online]. Available: https://doi.org/10.56553/popets-2024-0046.

3 **E. Bouma-Sims**, L. Klucinec, M. Lanyon, L. F. Cranor, and J. Downs, "Recruiting teenage participants for an online security experiment: A case study using peachjar," in *9th Workshop on Inclusive Privacy and Security*, 2024.

4 **E. Bouma-Sims** and Y. Acar, "Beyond the boolean: How programmers ask about, use, and discuss gender," in *Proceedings of the 2023 ACM SIGCHI Conference on Computer-Supported Cooperative Work & Social Computing*, New York, NY, USA: Association for Computing Machinery, 2023. DOI: 10.1145/3579461. [Online]. Available: https://doi.org/10.1145/3579461.

5 **E. Bouma-Sims**, M. Li, Y. Lin, A. Sakura-Lemessy, A. Nisenoff, E. Young, E. Birrell, L. F. Cranor, and H. Habib, "A US-UK usability evaluation of consent management platform cookie consent interface design on desktop and mobile," in *Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems*, Hamburg, Germany: Association for Computing Machinery, 2023, ISBN: 9781450394215. DOI: 10.1145/3544548.3580725. [Online]. Available: https://doi.org/10.1145/3544548.3580725.

6 L. Neil, **E. Bouma-Sims**, E. Lafontaine, Y. Acar, and B. Reaves, "Investigating web service account remediation advice," in *Seventeenth Symposium on Usable Privacy and Security (SOUPS 2021)*, https://www.usenix.org/conference/soups2021/presentation/neil, USENIX Association, Aug. 2021, pp. 359–376, ISBN: 978-1-939133-25-0.

7 **E. Bouma-Sims** and B. Reaves, "A first look at scams on youtube," in *The 2021 Workshop on Measurements, Attacks, and Defenses for the Web*, https://dx.doi.org/10.14722/madweb.2021.23001, 2021, ISBN: 1-891562-67-3.

8 S. Prasad, **E. Bouma-Sims**, A. K. Mylappan, and B. Reaves, "Who's calling? characterizing robocalls through audio and metadata analysis," in *29th USENIX Security Symposium (USENIX Security 20)*, https://www.usenix.org/conference/usenixsecurity20/presentation/prasad, USENIX Association, Aug. 2020, pp. 397–414, ISBN: 978-1-939133-17-5.

Posters / Presentations

1 **E. Bouma-Sims**, J. Gursky, S. Kumar, R. Stevens, J. Tesfa, S. Yan, and L. F. Cranor. "Poster: Out of their control: Investigating privacy attitudes and behaviors among tinder users." (Aug. 2022). Presented at the 2022 USENIX Symposium on Usable Privacy and Security in Boston, MA. https://www.usenix.org/conference/soups2022/presentation/bouma-sims-poster.

2 **E. Bouma-Sims**. "How developers (don't) think about gender privacy," USENIX Association. (Jun. 24, 2022). Presented at the 2022 USENIX Conference on Privacy Engineering Practice and Respect in Santa Clara, CA. https://www.usenix.org/conference/pepr22/presentation/bouma-sims.

Awards and Achievements

2024 **Andreas Pfitzmann Best Student Paper Award Runner up** for "Exploring the Privacy Experiences of Closeted Users of Online Dating Services in the US," *24th Privacy Enhancing Technologies Symposium*

2023 **Presidential Fellowship**, Carnegie Mellon University, CyLab

2021 **Outstanding Senior Award for the Humanities**, North Carolina State University, College of Engineering.

2020 **Internet Defense Award** for "Who's Calling? Characterizing Robocalling Campaigns through Audio and Metadata Analysis," *29th USENIX Security Symposium*

Distinguished Paper Award for "Who's Calling? Characterizing Robocalling Campaigns through Audio and Metadata Analysis," *29th USENIX Security Symposium*

2018 **Undergraduate Research Grant** for research with Dr. Brad Reaves, North Carolina State University

Awards and Achievements (continued)

2017 **Park Scholarship**, North Carolina State University

Service Activities

2024 **CCS Artifact Evaluation Committee**, the 31st ACM Conference on Computer and Communications Security

2022–2024 **REUSE Admissions Committee Member**, Carnegie Mellon's Research Experiences for Undergraduates in Software Engineering

Graduate Application Support Program Mentor, Carnegie Mellon School of Computer Science

SOUPS Poster Jury, The 18th. 19th, and 20th Symposium on Usable Privacy and Security (SOUPS 2022, 2023, and 2024)

2021–2022 **Joint Financial Committee Member**, Carnegie Mellon Student Government

2019–2021 **Diversity Committee Member**, Park Scholarship Program, North Carolina State University

2017–2021 **Krispy Kreme Challenge Committee Member**. *Student-run charity race benefiting UNC Children's hospital*