

Anne Kohlbrenner

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Education

- **Princeton University** Princeton, NJ
Ph.D., Computer Science 2019 -
 - Advisor: Jonathan Mayer
 - Wu Fellowship.
- **Carnegie Mellon University** Pittsburgh, PA
B.S., Computer Science 2015-2019
 - Undergraduate Thesis: Auditable Network Services, advised by Justine Sherry.
 - Phi Beta Kappa, Andrew Carnegie Society Scholar, University Honors, School of Computer Science Honors.
 - Philosophy double major.

Publications

- **Virtual Classrooms and Real Harms**
SOUPS @ USENIX 2021
 - Shaanan Cohney, Ross Teixeira, [Anne Kohlbrenner](#), Arvind Narayanan, Mihir Kshirsagar, Yan Shvartzshnaider, Madelyn Sanfilippo.
- **Don't Yank My Chain: Auditable NF Service Chaining**
NSDI 2021
 - Guyue Liu, Hugo Sadok, [Anne Kohlbrenner](#), Bryan Parno, Vyas Sekar, Justine Sherry.
- **Hidden in Plain Sight: Filesystem View Separation for Data Integrity and Deception**
DIMVA 2018
 - Teryl Taylor, Frederico Araujo, [Anne Kohlbrenner](#), Marc Ph. Stoecklin.
- **Poster: Hidden in Plain Sight: A Filesystem for Data Integrity and Confidentiality**
ACM CCS 2017
 - [Anne Kohlbrenner](#), Frederico Araujo, Teryl Taylor, Marc Ph. Stoecklin.

Research Projects

- **Web Science: A Library for Browser-Based Studies** 2019-
Princeton University
 - Ongoing work creating a JavaScript library for implementing research studies that run in Firefox.
- **COVID-19 and Political News and Disinformation** 2019-
Princeton University
 - Ongoing work using Web Science to run a study of several thousand users to investigate exposure, consumption, and sharing of news and disinformation online.

- **Privacy Risks of Online Teaching Tools** 2020
Princeton University
 - Surveyed educators about tools used to teach online, then conducted security, privacy, and legal analyses, focusing on student and instructor privacy.
- **Auditable Network Functions** 2018-2019
Carnegie Mellon University
 - Designed system to provide continuous external assurance about service functions running within a network.
- **Filesystem View Separation** 2017
IBM Research CCSI
 - Created system to provide custom filesystem views to users based on trust levels.

Teaching

- **Introduction to Programming Systems** Princeton University
COS 217
 - Preceptor: F20, S21
- **Principles of Imperative Computation** Carnegie Mellon University
15-122
 - Instructor: Summer 2019.
 - Head or lead teaching assistant: S18, Summer 2018, F18, S19.
 - Teaching assistant: S17, F17.

Work Experience

- **IBM Research** May-August 2018
Research Intern
- **Raytheon SI Government Solutions** May - August 2017
Vulnerability Research Intern

Misc

- **Subreviewer for USENIX Security PC** (2020)
- **TechEd Reading Group** 2019 -
Co-founder
 - Co-founded and ran weekly reading group focused on pedagogy, curriculum, and diversity and inclusion topics in technical and scientific education.
- **Remote Academia 2020** March 2020 -
Co-founder
 - Co-founded and ran 14,000-member Slack-based community to give faculty and other education professionals a space to share resources and techniques for remote learning.
- **SCS Day Planning Committee** (2015-2019)
- **Academic Review Board member** (2018-2019)
- **President of Student College Executive Board** (2017-2018)