

Xiaoyuan Wu

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Education

Carnegie Mellon University, Pittsburgh PA
Ph.D. Societal Computing
August 2022 - Present
GPA: 3.92/4.0
Advisor: Professor [Lujo Bauer](#)

George Washington University, Washington D.C.
Bachelor of Science, Double Major in Computer Science and Mathematics
August 2018 - May 2022
GPA: 3.76/4.0
Advisor: Professor [Adam J. Aviv](#)

Publications

[Transparency or information overload? Evaluating users' comprehension and perceptions of the iOS App Privacy Report](#)

Xiaoyuan Wu, Lydia Hu, Eric Zeng, Hana Habib, and Lujo Bauer.

Network and Distributed System Security Symposium (NDSS 2025). February 2025.
To appear.

[Poster: Longitudinal Measurement of the Adoption Dynamics in Apple's Privacy Label Ecosystem](#)

David G. Balash, Mir Masood Ali, Monica Kodwani, **Xiaoyuan Wu**, Chris Kanich, Adam J. Aviv

ACM SIGSAC Conference on Computer and Communications Security (CCS 2023).
November 2023

[Users Perceptions of Five-Word Passwords](#)

Xiaoyuan Wu, Collins W. Munyendo, Eddie Cosic, Genevieve A. Flynn, Olivia Legault, and Adam J. Aviv.

Annual Computer Security Applications Conference (ACSAC 2022). December 2022.

- Studying user perceptions of passwords that constitutes five commonly used words through a two-part survey. Measuring participants' general password habits, how do they remember five-word passwords as well as their thoughts on the usability and security of five-word passwords.

[Security and Privacy Perceptions of Third-Party Application Access for Google Accounts.](#)

David G. Balash, **Xiaoyuan Wu**, Miles Grant, Irwin Reyes, and Adam J. Aviv.

31st USENIX Security Symposium (USENIX Security 22). August 2022.

- Measured users' awareness and perceptions of third-party apps gaining access to their information through Google's application programming interface(API) through a two-part survey and a browser extension.

[Longitudinal Analysis of Privacy Labels in the Apple App Store](#)

David G. Balash, Mir Masood Ali, **Xiaoyuan Wu**, Chris Kanich, Adam J. Aviv
arXiv preprint 2206.02658. June 2022

Teaching Experience

Teaching Assistant

Introduction to Computer Security - 18330

September 2024 - December 2024

Carnegie Mellon University

Pittsburgh, PA

Undergraduate Teaching Assistant

Software Engineering - CSCI 2113

The George Washington University

August 2021 - May 2022 Washington D.C.
Teaching a laboratory section as a supplement to lectures that helps students understand the content of the class better. Office hours are held for answering students' questions.

Learning Assistant The George Washington University
Discrete Structures I - CSCI 1311
January - May 2020, January - May 2021 Washington D.C.
Helped students understand contents of the class by assisting the professor during lectures and holding office hours for questions outside of the lecture.

Work Experience **Undergraduate Researcher** GWU Usable Security and Privacy Lab
May 2020 - May 2022 Washington D.C.
Develops surveys, browser extensions with JavaScript and HTML. Visualizes data collected with Python through Jupyter Notebook.

Research and Development Assistant Shanghai Clobotics Technology Co., Ltd.
June - August 2019 Shanghai, China
Helped developing the training and testing set used for computer vision to recognize targeted merchandise on shelves through pictures.

Classes Taken at CMU 17-803 Empirical Methods Grade Received: A
17-733 Privacy Policy, Law, and Technology Grade Received: A
18-732 Secure Software Systems Grade Received: A
10-701 Introduction to Machine Learning Grade Received: A-

Awards and Honors IIIME National Honor Mathematics Society D.C. Gamma Chapter
[Heros of Systems at GWU](#)
California Mayors Cyber Cup 3rd Place
AFA CyberPatriot X Platinum Rank (1st tier)
AFA CyberPatriot VIII, IX Gold Rank (2nd tier)

Activities Member of National Honor Society, 2018
Member of Valencia High School CyberPatriot Club, 2017-2018
Member of Valencia High School Math Club, 2017-2018

Certificates CompTIA IT Fundamentals Certification

Skills **Languages:** Python, C, Java, SQL, \LaTeX , Pascal
Web Development: HTML, CSS, JavaScript, PHP, browser extensions
Applications: Visual Studio, Docker Container, Jupyter Notebook, MySQL, Git
Development Tools: Qualtrics, SurveyJS, Django, Pandas, Matplotlib, Seaborn