

## EDUCATION

**PhD in Computer Science**  
**University of Maryland**

August 2021 – May 2026 (expected)  
College Park, MD

- Advised by Michelle Mazurek, focusing on human-centered security and privacy

**B.A. in Computer Science and Science, Technology, and Society**  
**Pomona College**

May 2019  
Claremont, CA

- *Magna cum laude*, Phi Beta Kappa

## CONFERENCE PUBLICATIONS

*\* indicates mentored undergraduate student*

**Wentao Guo**, Alexander Yang, \* Nathan Malkin, Michelle L. Mazurek. How experts personalize privacy & security advice for at-risk users. PETS '26 (Privacy Enhancing Technologies Symposium).

Yunze Zhao, **Wentao Guo**, Harrison Goldstein, Daniel Votipka, Kelsey Fulton, Michelle L. Mazurek. A qualitative analysis of fuzzing tool usability and challenges. CCS '25 (ACM Conference on Computer and Communications Security).

**Wentao Guo**, Paige Pepitone, Adam J. Aviv, Michelle L. Mazurek. How researchers de-identify data in practice. USENIX '25 (USENIX Security Symposium).

**Wentao Guo**, Aditya Kishore, \* Adam J. Aviv, Michelle L. Mazurek. A qualitative analysis of practical de-identification guides. CCS '24 (ACM Conference on Computer and Communications Security).

Michael Coblenz, **Wentao Guo**, Kamatchi Voozhian, Jeffrey S. Foster. A qualitative study of REST API design and specification practices. VL/HCC '23 (IEEE Symposium on Visual Languages and Human-Centric Computing).

**Wentao Guo**, Jason Walter, \* and Michelle L. Mazurek. The role of professional product reviewers in evaluating security and privacy. USENIX '23 (USENIX Security Symposium).

## WORKSHOP PAPERS

**Wentao Guo**, Jay Rodolitz, and Eleanor Birrell. Poli-see: An interactive tool for visualizing privacy policies. WPES '20 (ACM CCS Workshop on Privacy in the Electronic Society).

Zaina Aljallad, **Wentao Guo**, Chhaya Chouhan, Christy LaPerriere, Jess Kropczynski, Pamela Wisniewski, and Heather Lipford. Designing a mobile application to support social processes for privacy decisions. USEC '19 (NDSS Workshop on Usable Security).

## WORKSHOP PROPOSALS

Richard Roberts, **Wentao Guo**, Omer Akgul, Michelle L. Mazurek, and Dave Levin. This proposal was brought to you by content creators' mental models of security & privacy products. ConPro '23 (IEEE S&P Workshop on Technology and Consumer Protection).

**Wentao Guo**, Jason Walter, and Michelle L. Mazurek. The role of product reviewers in evaluating security and privacy. ConPro '22 (IEEE S&P Workshop on Technology and Consumer Protection).

## INVITED TALKS

Incentives, expertise, and capacity: Unlocking the power of professionals to protect users' security and privacy. Virginia Polytechnic University. May 2024.

Understanding de-identification guidance and practices for researchers. NSF Cybersecurity Innovation for Cyber Infrastructure (CICI) PI meeting. March 2024.

## SELECTED AWARDS

- MC2 Seed Grant** University of Maryland, Fall 2023  
Awarded \$1,890 to fund a research proposal on perceptions of tracking and inference in VR
- Paul B. Yale Computer Science Prize** Pomona College, Spring 2019  
Awarded to three outstanding seniors majoring in Computer Science
- Science, Technology, and Society Prize** Pomona College, Spring 2019  
Awarded to one outstanding senior majoring in Science, Technology, and Society

## SELECTED WORK EXPERIENCE

- IoT Design Fellow** June 2023 – September 2023  
**Consumer Reports** New York, NY
- Designed, conducted, and analyzed four studies (surveys, focus groups, and user studies) on consumer perspectives on IoT security and privacy labels, in collaboration with two other fellows
  - Interviewed IoT manufacturers about challenges with product security and privacy reporting
- Software developer** September 2019 – June 2021  
**Epic Systems** Verona, WI
- Worked on backend infrastructure and data ingestion for Cosmos, a HIPAA-regulated dataset of >100 million patients' electronic health records used for research and data-driven healthcare
- Research programmer** June 2019 – August 2019  
**Ecosystem Dynamics and Forecasting Lab** Virginia Tech
- Contributed bug fixes to the open-source General Lake Model project:  
<https://github.com/AquaticEcoDynamics/GLM/pull/16>
  - Created an intake script to format and validate data from field sensors

## SELECTED TEACHING ASSISTANTSHIPS

- Introduction to Privacy** (Spring 2025) Computer Science (UMD)
- Human Factors in Security and Privacy** (Fall 2024) Computer Science (UMD)
- Computer Systems** (Spring 2019) Computer Science (Pomona College)
- Computability and Logic** (Spring 2018) Computer Science (Pomona College)

## SELECTED PROFESSIONAL AND ACADEMIC SERVICE

- Chair of Community Building** December 2023 – Present
- Peer mentor** September 2023 – Present
- Organizer** October 2021 – Present
- Computer Science Graduate Student Committee** University of Maryland
- Managing the department's peer mentoring program, as well as biweekly student-organized community-building events including practical workshops and socials
- Project mentor** October 2023, 2024
- Tech + Research** University of Maryland
- Designed hackathon-style research projects in human-centered security and privacy, and mentored women undergraduates as they completed them over the course of a weekend
- Lead organizer** September 2021 – Present
- Security Reading Group** University of Maryland
- Planning weekly research paper discussions, practice talks, invited talks, and workshops
- Peer reviewing (including reviews and sub-reviews)**
- CHI '24/'25 (2 papers), CSCW '24 (2 papers), SOUPS '24/'25 (2 papers), ESORICS '25 (1 paper), International Journal of Human-Computer Studies '23 (1 paper), IEEE S&P '23 (1 paper)

## SELECTED GUEST LECTURES

### **Privacy for at-risk individuals**

Introduction to Privacy

Spring 2025  
Computer Science (UMD)

### **Modern privacy enforcement**

Introduction to Privacy

Spring 2025  
Computer Science (UMD)

### **Qualitative research methods**

Human Factors in Security and Privacy

Fall 2024  
Computer Science (UMD)

### **Intro to security**

Privacy, Security, and Ethics for Big Data

Spring 2024  
Information Studies (UMD)

### **AI and algorithms**

Privacy, Security, and Ethics for Big Data

Spring 2023  
Information Studies (UMD)

### **Buffer overflow attacks**

Computer and Network Security

Spring 2022  
Computer Science (UMD)

### **Deepfakes**

Philosophy of Technology

Spring 2019  
Philosophy (Pomona College)