

Wellington Esposito Barbosa

800 22nd St NW – SEH 4390 • Washington, DC, USA

✉ wellingtone@gwu.edu  wellingtonesposito  wellington.website

EDUCATION

Ph.D. in Computer Science

Aug/2024 - May/2028

The George Washington University • Washington, DC, USA

- Advisor: Dr. Adam Aviv
- Research interests: Human-centered security and privacy; scientists' security and privacy needs.

B.Sc. in Software Engineering

2020 - 2023

University of Western São Paulo • Presidente Prudente, Brazil

B.Sc. in Business Administration

2014 - 2017

University of Western São Paulo • Presidente Prudente, Brazil

PUBLICATIONS

An Exploratory User Study of Disclosure-Avoidance Tools for Scientific Microdata

Wentao Guo, Wellington Esposito Barbosa, Adam J. Aviv, Michelle L. Mazurek

Privacy Enhancing Technologies Symposium – PETS 2027

SoK: Mapping Threats to Defenses in Online Survey Fraud

Shiza Ali, Wellington Esposito Barbosa, Matthias Fassl, Aditi Ganapathi, Jaron Mink, Adam J. Aviv

USENIX Symposium On Usable Privacy and Security – SOUPS 2026 |  Paper

Mirror Mirror on the Wall, which APK Mirror Site is the Largest of Them All?

Neal Keating, Wellington Esposito Barbosa, Leo Phan, Viraj Prakash, Gianluca Stringhini, Adam J. Aviv

ACM Internet Measurement Conference – IMC 2025 |  Paper

ONGOING PROJECTS

Understanding the Alignment Between Privacy Preferences and Cookie Consent Decisions

- Investigating how users' stated privacy preferences align with historical cookie consent decisions by combining browser-based consent data, browsing behavior, and survey responses.

Stage: Data collection and preliminary analysis |  Poster

Evaluating AI-Assisted Survey Responses: Detection Methods and Impact on Representativeness

- Evaluating AI-detection methods for online survey responses and examining how filtering AI-assisted responses affects the representativeness of survey findings.

Stage: Data collection

Toward Ethical Guidelines for Human–AI Interaction Research

- Conducting a systematic review of human–AI interaction studies to synthesize reported uses of LLMs, deployment practices, ethical risks, and safeguards.
Stage: Initial codebook development

Open-Source Survey Platform for Fraud-Resilient Data Collection

- Developing an open-source survey platform with built-in mechanisms for detecting and deterring traditional and AI-assisted survey fraud.
Stage: Study design

RESEARCH & PROFESSIONAL EXPERIENCE

Graduate Research Assistant — GWUSEC Lab 2024 – Present
The George Washington University

- Lead and collaborate on mixed-methods research in usable security and privacy, from study design through analysis and publication.
- Plan and run user studies; analyze qualitative and quantitative data; synthesize prior work into structured frameworks.

Judicial Technical Clerk 2014 – 2024
Court of Justice of São Paulo, Presidente Venceslau, Brazil

- Provided technical and administrative support in a high-accountability environment, managing judicial and administrative workflows, maintaining records, and supporting court operations.
- Prepared and reviewed official documents, assisted internal and external stakeholders, and applied applicable legislation and internal procedures in daily work.

STUDENT MENTORING

Lina Rashdan May/2026 - May/2027
The George Washington University

- Master’s Thesis: "Exploring Privacy Concerns Among Users of Locally Deployed AI Agents"

SERVICE

Subreviewer	Symposium on Usable Privacy and Security (SOUPS)	2026
Subreviewer	USENIX Security Symposium	2026
Poster Jury Member	Symposium on Usable Privacy and Security (SOUPS)	2025, 2026
Conference Volunteer	Privacy Enhancing Technologies Symposium (PETS)	2025
Conference Volunteer	GW Open Source Conference (OSCON)	2025

TEACHING EXPERIENCE

Teaching Assistant — Algorithms and Data Structures

2022 - 2023

University of Western São Paulo

- Held virtual office hours and delivered lectures for sessions averaging 20 students.

AWARDS & HONORS

Best Student Award – B.Sc. in Software Engineering

2023

University of Western São Paulo

- Graduating student with the highest cumulative GPA in the Software Engineering program.

Best Student Award – B.Sc. in Business Administration

2017

University of Western São Paulo

- Graduating student with the highest cumulative GPA in the Business Administration program.

SKILLS

Qualitative Research Semi-structured interviews; think-aloud and usability sessions; thematic coding; participant recruiting and screening.

Quantitative Methods Survey design and analysis; descriptive and inferential statistics; hypothesis testing; data visualization.

Research Synthesis Systematic literature review; threat modeling; translating findings into recommendations.

Programming & Tools Python; R; MaxQDA; Qualtrics; React; Node.js; JavaScript; MongoDB; ElasticSearch; SQL.