



Ximena Cuzcano Chavez

SYSTEMS ENGINEER

MASTER IN CYBERSECURITY

Independent researcher focused on understanding and addressing emerging challenges in the digital space, promoting the convergence between technology and ethical values for responsible and equitable use of technology in society. With a solid background in digital security in the public and private sectors, covering awareness and sensitization programs, implementation of open-source tools, vulnerability analysis, ethical hacking, and incident management.

Contact

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📍 | Lima, Perú

Education

- Master in Cybersecurity
International University of La Rioja.
Spain, 2023.
- Systems Engineer
University of Lima.
Perú, 2020.
- IT Security Diploma
National University of Engineering.
Perú, 2020.

Certifications

- CEHv12 (In Process)
C-Council, 2024.
- Certified in Cybersecurity
ISC2, 2023.
- ISO 27001 Certification
EXIN, 2021.

Work Experience

● Independent Researcher

June 2020 - Present

As an independent researcher, I analyze critical issues in the digital world with an intersectional approach to understand how technology differentially affects different communities and groups within society. I seek to promote constructive debate and collaboration among a wide range of stakeholders, to find sustainable and equitable solutions.

● Collaborating Researcher

Situada.Online

September 2023 - Present

I actively collaborate with Situada, a platform dedicated to researching and producing situated knowledge in Latin America and the Caribbean (LAC). My commitment is to generate knowledge that contributes to the advancement and continuous improvement of our online interactions and experiences, to build a more inclusive, just, and sustainable digital future for all.

Currently, I co-lead the VERITAS project (Vulnerabilities, Strategies, and Reflections on Technological Innovation and Gender Asymmetries in Latin America and the Caribbean) focused on understanding the risks of emerging technology and proposing strategies to foster an ethical awareness that promotes equity at the intersection between technology and society, highlighting the importance of considering gender implications in technological development.

Similarly, I led the Cyberbullying project, which focused on detecting cyberbullying on Twitter, for the Peruvian Spanish language. This project addressed the lack of studies focused on the linguistic particularities of LAC by creating a specialized dataset.

In addition, I carried out the Cybersecurity project, which focused on developing methodologies to implement open-source tools and integrating them with existing ones, to strengthen cybersecurity capabilities in public organizations, optimize the available technological solutions, and ensure sustainable solutions.

● Digital Vulnerability Analyst

National Digital Security Center - Perú

June 2023 - April 2024

My main role involves assessing the security of digital services in Public Administration entities through vulnerability analysis and ethical hacking tests. I identify and analyze potential weaknesses in these services to protect citizens' personal data and the confidential information of the entities. My work contributes to strengthening digital security and fostering trust among citizens in public institutions.

● Cybersecurity Consultant

National Digital Security Center - Perú

April 2022 - May 2023

I implemented open-source security tools in multiple entities of the country's Public Administration. This work was especially relevant due to the challenges inherent to the public sector, such as budgetary constraints and lengthy administrative processes, which hindered the adoption of digital technologies. On the other hand, I conducted digital security training in various sectors, including ministries, regional governments, municipalities, hospitals, and the general public. This significantly contributed to enhancing cybersecurity awareness and skills within public entities and among citizens, thereby improving data protection.

● Information Security Intern

Office of Social Security Normalization

March 2020 - November 2020

My main function consisted of guaranteeing compliance with information security standards by providers and ensuring the protection of pensioners' confidential data. In addition, I collaborated in Ethical Hacking tests to prevent cyber attacks and conducted security incident investigations to resolve information protection breaches. I also participated in awareness campaigns to promote a security culture within the institution and among its users, who are an integral part of the National Pension System.

● Software Quality and IT Processes Intern

University of Lima

September 2018 - December 2019

I supported the improvement of the quality and security of information systems. I planned and executed functional and security tests to ensure reliable and solid systems. This work resulted in the early identification of incidents and the delivery of software products focused on the needs of teachers and students, strengthening the technological infrastructure of the academy and improving the user experience.

Publications

● Cuzcano-Chavez, X. (2024). Seguridad Digital con Perspectiva de Género. A la espera de la revisión final en *IV Congreso Internacional "Tecnologías I+D+i para la igualdad: Soluciones, perspectivas y retos"*.

- English Version: Digital Security with a Gender Perspective. (Awaiting final review)

● González-Véliz, C. y Cuzcano-Chavez, X. (2024). Desafíos y dimensiones de la desinformación en ALAC: deepfakes y la urgencia de proteger los derechos de las mujeres. *Revista Espacio I+D, Innovación más Desarrollo*, 13(36), pp. 162-175. <https://espacioimasd.unach.mx/index.php/Inicio/numeroespecial-8m-2024>

- English version: Challenges and Dimensions of Disinformation in LAC: Deepfakes and the Urgency to Protect Women's Rights. ([Link](#))

● Cuzcano, X.M., y Ayma, V.H. (2020). A comparison of classification models to detect cyberbullying in the Peruvian Spanish language on twitter. *International Journal of Advanced Computer Science and Applications*, 11(10), 132-138. <https://doi.org/10.14569/IJACSA.2020.0111018>

Participations

- 2024 | Mentor in the Ethical Hacking Training Program for women. WOMCY Mexico and HackTheBox. Celebrated on June 06, 2024.
- 2024 | Speaker at the IV International Congress on R&D&I Technologies for Equality: Solutions, Perspectives and Challenges. Carlos III University of Madrid, Spain. Celebrated on April 15, 2024. Theme: "Digital Security with a Gender Perspective".
- 2024 | Speaker at the event The Cybersecurity Revolution (SECREV). Celebrated on May 10, 2024. Theme: "The Shadows of WannaCry".
- 2024 | Speaker at the Q&A Hacking Live Session of WOMCY Mexico and HackTheBox. Celebrated on January 24, 2024.
- 2023 | Speaker at the Engineering Wednesday event. University of Lima, Peru. Celebrated on October 25, 2023. Theme: "Cybersecurity as an approach to protect your online identity".
- 2023 | Participant in the White Hat 2023 International Conference. Boston University and Center for Cybercrime Investigation & Cybersecurity, United States. Celebrated on May 31, 2023. Theme: "Targeted Means to Combat Online Child Exploitation and Victimization".

Additional Training

- 2024 | OAS. *Digital security with a gender perspective: "Our networks, our security"*.
- 2024 | University of Chile and UAbierta. *Introduction to Feminist Theories*.
- 2024 | South School on Internet Governance. *Internet Governance*.
- 2023 | University of Santiago de Chile. *Advanced Web Pentesting*.
- 2023 | Secretariat of Government and Digital Transformation of Peru. *Bootcamp: Driving Government and Digital Transformation for Citizenship*.
- 2022 | National Digital Security Center of Perú. *Specialization Program in Cybersecurity and Cyberdefense*.