

Enrique Sobrados

PhD Student, Computer Science
University of New Mexico

July 23, 2025

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RESEARCH OVERVIEW

My research explores security and privacy challenges in networked systems, with a focus on Virtual Private Networks (VPNs). I study how configuration practices impact user safety and privacy. My goal is to improve secure deployment and raise awareness of common implementation issues.

EDUCATION

- **PH.D., Computer Science, University of New Mexico, Albuquerque, NM, USA** 2024 – Present
Advisor: Dr. Afsah Anwar
- **M.S., Computer Science, University of New Mexico, Albuquerque, NM, USA** 2025
- **B.S., Computer Science, University of Engineering and Technology, Lima, Peru** 2023

TECHNICAL PUBLICATIONS

1. Wayne Wang*, Aaron Ortwein*, **Enrique Sobrados***, Robert Stanley, Piyush Kumar, Afsah Anwar, and Roya Ensafi. “**MVPNAnalyzer: An Investigative Framework for the Security & Privacy Audit of Mobile VPNs**”, In *The Network and Distributed System Security Symposium (NDSS 2026)*
2. Jack Vanlyssel, **Enrique Sobrados**, Ramsha Anwar, Afsah Anwar, and Roman Gruia-Catalin. “**Trusted Software, Hidden Threats: Multi-Vector Supply Chain Attacks Using Coordinated and Independent Components in Small Satellite Architectures**”, *In submission: TBD*

TEACHING

- **Guest Lecturer, University of New Mexico** 2025
CS544-Intro to Cybersecurity
- **Teaching Assistant, University of New Mexico** 2024
CS544-Intro to Cybersecurity
- **Teaching assistant, University of New Mexico** 2023
CS357-Declarative programming
- **Teaching assistant, University of Engineering and Technology** 2020
CS11-2-Intro to object oriented programming
- **Teaching assistant, Le Wagon** 2021
Web Development Bootcamp

PROFESSIONAL EXPERIENCE

- **Graduate Research Assistant, University of New Mexico** Present
I work with my advisor Prof. Afsah Anwar as a Research Assistant. My work focuses on understanding security implications of Virtual Private Networks and their impact, mainly on mobile applications.
- **Security Analyst Intern, National Bank, Peru** 2022
I was in charged of the enterprise VPN solution, managing users and security. I performed vulnerability assessments over different internal infrastructure of the bank, enhancing the overall security.

SKILLS

1. Nmap, Burpsuite, Metasploit, Ghidra
2. Python, Ruby, C/C++, JavaScript, HTML, CSS
3. Penetration Testing, Reverse Engineering, Malware Analysis, Vulnerability Management
4. Machine Learning, Data analytics, Web Development
5. Spanish, English, German

CERTIFICATIONS

1. Junior Penetration Tester (eJPTv2)
2. PEN, SOC, WEB - 100

INE Security
Offensive Security

REFERENCES

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