

# Enrique Sobrados

PhD Student, Computer Science  
University of New Mexico

July 17, 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. “MVPNalyzer: An Investigative Framework for the Security & Privacy Audit of Mobile VPNs”, *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: IEEE Symposium on Security and Privacy* (S&P 2026)

## TEACHING

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

## 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

Afsah Anwar, Assistant Professor  
Department of Computer Science  
University of New Mexico  
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