Enrique Sobrados

PhD Student, Computer Science
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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**", *In submission: Network and Distributed System Security Symposium* (NDSS 2026)

2. Jack Vanlyssel, **Enrique Sobrados**, Ramsha Anwar, and Afsah Anwar "**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, LEWAGON**
  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,**   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. Python, Ruby, C/C++, JavaScript HTML, CSS
2. Penetration Testing, Reverse-engineering, Malware Analysis, Vulnerability Management
3. Machine Learning, Data analytics, Web Development
4. Spanish, English, German

CERTIFICATIONS

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

REFERENCES

Afsah Anwar, Assistant Professor
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