

Rodolfo Padilla

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Data-driven professional with a formal biology background and experience applying quantitative analysis, experimentation, and data visualization to complex problems in regulated environments. Trained in hypothesis-driven thinking, statistical reasoning, and data integrity, with hands-on experience building reproducible analytics workflows using Python, and R. Seeking to grow into security operations and security-focused analytical roles.

Professional Experience

University of Oregon: Laboratory Technician (10/23 - 1/25) (Eugene, OR)

- Developed Python and R scripts to automate data processing and analysis, reducing manual error and improving reproducibility
- Worked in regulated, audit-ready environments requiring strict access control, documentation accuracy, and procedural integrity

New Frontier Data: Software Developer (6/17 - 1/19) (Washington D.C)

- Supported system stability through debugging, performance optimization, and reproducibility safeguards
- Operated within agile development environments, emphasizing documentation, change control, and collaborative troubleshooting

Potomac Holistics: Internet Marketing Manager (8/21 - 8/22) (Rockville, MD)

- Supported system availability, basic access control practices, and operational troubleshooting for daily business needs
- Served as first-line technical support for internal users and vendors
- Documented and resolved technical issues for internal users, performing first-line troubleshooting and escalating issues when appropriate.

Education

University of Oregon - Eugene, OR (2022-2025)

Bachelor of Science in Biology, Minor in Chemistry

Montgomery College - Rockville, MD (2020-2021)

Associate of Science in Biology

Technical Skills & Certifications

Certificates

- Google Foundations of Cybersecurity – Coursera Credential ID (A2GUE7AC5XN3)
- Google Networks & Network Security – Coursera Credential ID (OXV3IXGOB3IZ)
- Google Linux & SQL – Coursera Credential ID (0Q9V8HGQ26DP)

Core IT & Cybersecurity Skills

- **Tools & Platforms:** Wireshark, Metasploit, Nmap, Burp Suite, Splunk, Chronicle, DVWA
- **Programming & Automation:** Python, Bash, SQL, Git
- **Operating Systems:** Linux (Ubuntu, Kali), macOS, Windows, command-line proficiency, file permissions, user management
- **Networking:** TCP/IP, OSI model, UDP, DNS, HTTP/S, ARP, ICMP, DHCP, FTP/SFTP, SSH, SMTP, TLS/SSL, firewalls, VPNs, IDS/IPS, network traffic analysis
- **SecOps:** Solid understanding of cybersecurity fundamentals, security operations principles, risk management, threat modeling, vulnerability assessment, incident detection and response, security logging and monitoring, alert triage, authentication and authorization, access control, SIEM concepts and log analysis
- **Frameworks & Standards:** NIST Cybersecurity Framework, MITRE ATT&CK, OWASP, CIA Triad, security controls/safeguards, security policies/procedures, incident response frameworks
- **Threat Detection:** Common attacker tactics and techniques (phishing, credential abuse, lateral movement, reconnaissance)

Additional Skills

- Preparing for CompTIA Security+ (in progress, expected February 2026)
- Bilingual: English / Spanish
- Active security research and vulnerability assessment practice (DVWA, bug bounty research preparation)
- Strong technical writing, documentation, and cross-team communication skills
- Agile workflow participation and sprint-based delivery
- Problem-solving and systematic troubleshooting methodologies