Rodolfo Padilla

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Data-driven professional with a formal biology background and hands-on experience applying quantitative analysis, hypothesis-driven investigation, and rigorous documentation to complex, regulated systems. Trained in statistical reasoning, data integrity, and reproducible analysis, with experience building analytical workflows using Python and R. I bring a methodical, evidence-based approach to problem solving and is focused on applying these skills to security operations, threat analysis, and incident-driven decision making.

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

RDSolutions: Data Collector & Quality Analyst (3/19 - 2/20) (MD & VA)

- Performed quality assurance review on collected data by validating accuracy, completeness, and compliance with defined audit standards prior to submission.
- Identified, documented, and corrected data discrepancies, ensuring submissions met acceptance criteria and supported reliable downstream analysis.

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 Cybersecurity Professional Certificate(v.2)
- Google Networks & Network Security
- Google Linux & SQL
- CompTIA Security+ (Scheduled Feb/2026)

Core IT & Cybersecurity Skills

- **Tools & Platforms:** Wireshark, Nmap, Burp Suite, Metasploit, Splunk, Google Chronicle, DVWA
- **Programming & Automation:** Python, Bash, SQL, Git
- **Operating Systems:** Linux (Ubuntu, Kali), macOS, Windows; command-line proficiency, file permissions, user and group 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
- **Frameworks & Standards:** NIST CSF/RMF, ISO/IEC 27001, MITRE ATT&CK, OWASP Top 10, CIA Triad, security controls and safeguards, security policies and procedures, incident response frameworks
- **Threat Detection:** Common attacker tactics and techniques including phishing, credential abuse, reconnaissance, privilege escalation, and lateral movement

Additional Skills

- Bilingual: English / Spanish
- Clear, concise communicator with strong technical writing and documentation habits
- Calm and methodical under pressure; able to prioritize, triage, and make defensible decisions
- Collaborative team contributor with experience working across technical and non-technical stakeholders
- Self-directed, disciplined, and consistent in skill development and execution
- Strong analytical thinking, root cause analysis, and structured problem-solving