Rodolfo Padilla

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https://portfolio-site-pi-vert.vercel.app/

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)

- Conducted molecular biology workflows (sample preparation, microscopy, aseptic technique) within BSL-2 and GMP-aligned environments, following strict procedural controls, SOPs, and audit-ready workflows
- Developed Python and R scripts to automate data processing and analysis, reducing manual error and improving reproducibility

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
- Implemented automated workflows and data accuracy checks across platforms
- Served as first-line technical support for internal users and vendors

Retail Data LLC: Data Collector (3/19 - 2/20) (Germantown, MD)

- Performed structured data collection and in-store audits with strict accuracy requirements

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)

Core IT & Cybersecurity Skills

- Cybersecurity fundamentals and security operations principles
- Risk management, threat modeling, and vulnerability assessment
- NIST Cybersecurity Framework
- Security controls and safeguards
- Asset inventory, classification, and protection concepts
- Network fundamentals (TCP/IP, OSI, UDP, DNS, HTTP/S)
- Network security technologies (firewalls, VPNs, IDS/IPS)
- Network traffic analysis concepts
- Common cyber threats and attack vectors (phishing, malware, D/DDoS)
- Authentication, authorization, and access control concepts
- Incident detection, response, and escalation processes
- Security logging, monitoring, and alert triage concepts
- Security policies, procedures, and documentation practices
- Linux systems fundamentals (Ubuntu)
- Scripting and automation (Python; Bash and SQL)
- Version control and change management (Git)

Additional Skills

- Preparing for CompTIA Security+ (expected February 2026)
- Bilingual: English / Spanish
- Strong technical writing, documentation, and cross-team communication skills