Derek Opel (Cyber Security Analyst)

Email: dopel3030@gmail.com | Phone Number: 619-241-1055 | LinkedIn: linkedin.com/in/derek-opel

Training & Certifications

- **CompTIA Security+ SY0-701 Certification (Exp. June 2028)**   **June 2025**
- **Google Cybersecurity Professional Certificate:** Includes hands-on Linux, SQL and Python labs.   **March 2025**

Practical Projects

- Comprehensive cybersecurity projects as part of the Google Cybersecurity Professional Certificate: github.com/w30-dopel/Cybersecurity-Portfolio

Technical Skills

- **Programming:** Python, Bash Scripting, SQL (MySQL), Java, HTML/CSS, JavaScript, Office 360 Applications
- **Security:** Splunk (SIEM), Suricata IDS/IPS, Wireshark, tcpdump, antivirus/firewalls, email applications, malware, remediation, Active Directory, Windows(7, 8, 10, 11), Linux, macOS, Android
- **Frameworks:** CIA Triad, MITRE ATT&CK, Cyber Kill Chain, CIS Controls, NIST CSF & RMF

Professional Experience

Naval Information Warfare Center (NIWC) Pacific, San Diego, CA   **September 2020 - Present**
Computer Scientist with Security Clearance

- Developed bash scripts within the RHEL environment at the DoD High Performance Computing Center to streamline large dataset creation for ML model development, reducing data generation time by 1-2 orders of magnitude.
- Spearheaded automation of 3 key steps in the ML model training pipeline using Python and Anaconda libraries, reducing manual intervention by 50% and achieving 10x time savings in model training.
- Developed and adapted custom post-processing solutions in Python, transforming indecipherable ML performance data into actionable insights, delivering enhanced overall model prediction accuracy.
- Reduced onboarding time for new team members, creating easily digestible technical documentation and streamlining knowledge transfer to team members, which resulted in faster project integration.
- Facilitated transparent communication across cross-functional teams during SDLC, resulting in higher stakeholder satisfaction, zero major scope deviations, and timely deliverables; maintained sponsor confidence.

San Diego State University, San Diego, CA   **August 2019 - December 2019**
Statistics Tutor

- Communicated and clarified complex statistical concepts using oral, visual and written mediums, resulting in positive reviews from tutored students regarding teaching effectiveness.
- Adapted statistical instruction to accommodate diverse learning styles, resulting in higher exam scores for tutees and positive unsolicited feedback from students.

Education

San Diego State University, San Diego, CA - *Bachelor of Science in Computer Science [GPA: 3.59]* **December 2019**