Derek Opel (Junior Cyber Security Analyst)

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

EDUCATION & CERTIFICATIONS

- **CompTIA Security+ SY0-701 Certification (Exp. June 2028)**   *June 2025*
- **Google Cybersecurity Professional Certificate** (*github.com/w30-dopel/Cybersecurity-Portfolio*)   *March 2025*
  - Studied how to identify common cybersecurity risks, threats, and vulnerabilities, as well as the techniques to mitigate them. Gained hands-on experience with Python, Linux, and SQL. Learned how to protect networks, devices, people, and data from unauthorized access and cyber attacks using Security Information Event Management (SIEM) tools, Intrusion Detection Systems (IDS), and network protocol analyzers (packet sniffing).
- **San Diego State University, San Diego, CA** - *Bachelor Degree in Computer Science [GPA: 3.59]*   *December 2019*

TECHNICAL SKILLS

- Python
- Linux
- Bash scripting
- SQL
- SIEM tools (Splunk)
- IDS (Suricata)
- Wireshark
- tcpdump
- Information security
- Risk assessment
- Risk management framework
- Vulnerability assessment
- Malware analysis
- CIA Triad
- Technical documentation
- Threat management
- NIST CSF
- NIST RMF
- Windows (7,8,10,11)
- macOS

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.