Derek Opel (Junior System Administrator)

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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 (RHEL)
- Powershell
- Bash scripting
- SQL
- Windows (7,8,10,11)
- macOS

- Virtualization (VMware/Hyper-V)
- Firewalls
- Antivirus
- VPN
- TCP/IP
- DNS
- DHCP

- HTTP/HTTPS
- Technical documentation
- SIEM tools
- IDS (Suricata)
- tcpdump
- Risk assessment
- CIA Triad
- NIST CSF & RMF

PROFESSIONAL EXPERIENCE

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

- Automated system tasks in a **RHEL Linux high-performance computing environment** using **Bash Scripting**, improving efficiency and reducing data processing time by **1–2 orders of magnitude**.
- Streamlined system workflows with **Python automation scripts**, reducing manual workload and achieving up to **10x performance improvements** in key processes.
- Developed custom tooling to transform complex system data into clear reports, enabling more accurate decision-making.
- Authored **technical documentation** and onboarding guides, reducing ramp-up time for new team members and standardizing IT processes.
- Collaborated across cross-functional teams during the SDLC to **support system operations**, ensuring reliability, stakeholder satisfaction, and on-time deliverables.

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

- Explained complex statistical concepts in clear, accessible terms across oral, visual, and written formats, improving comprehension for diverse audiences.
- Adapted instruction to different learning styles, leading to measurable improvements in performance and consistent positive feedback.