

# Derek Opel (Cyber Security Analyst)

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## Training & Certifications

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

## Practical Projects

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

## Technical Skills

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- **Programming:** Python, Bash Scripting, SQL (MySQL), Java
- **Web Development:** HTML/CSS, JavaScript
- **Security:** Splunk (SIEM), Suricata IDS, Wireshark, tcpdump
- **Frameworks:** CIA Triad, MITRE ATT&CK, Cyber Kill Chain, CIS Controls, NIST CSF & RMF

## Professional Experience

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**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

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