

Dillon Rangel

Cyber Security Specialist

Experience

2023 Security Analyst — Framework Security

- Conducted offensive cyber operations to deliver individualized reports on weaknesses in client networks, web apps, mobile apps, and APIs.
- Engaged with clients as a subject matter expert to explain best practice remediation techniques.

2020 – 2022 Various Independent Research

- Developed a proof-of-concept ransomware program for Windows 10.
- Wrote a cryptanalysis tool based on n-gram analysis.
- Designed and built a tool for extracting data from air-gapped computers using controlled electromagnetic fields.

2020 Phishing Pentest

- Worked with the Director of Technology to complete a NIST 800-30 compliant risk assessment.
- Wrote custom malicious Word macros to determine which users required additional security awareness training.
- Used common attacker social engineering techniques to distribute the documents and had a 48.5% infection rate.
- Wrote report and assisted organization in designing better security policies and trainings.

2018 – 2021 Cyber Security Instructor

- Developed a well-rounded multi-level curriculum for cyber security students at The Buckley School.
- Taught students how to conduct OSINT, scanning, and vulnerable service exploitation.
- Wrote and ran a CTF for common cyber security topics including web exploitation.

2019 – 2021 Lead Robotics Mentor

- Managed logistics for 60 The Buckley School students on a *FIRST* Robotics Competition team.
- Arranged travel and competition reservations.
- Gave guidance on writing vision tracking software, cleared engineering roadblocks.

US Citizen - California

Open to relocation

+1 (***) ***-****

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<https://drangel.dev>

<https://github.com/dillon9>

Skills

Python, C, PHP, etc.
10 years

Cyber Operations
8 years

Social Engineering
5 years

Malware Analysis
5 years

Reverse Engineering
5 years

OWASP/Pentesting
4 years

SELKS
4 years

NIST Compliance
2 years

Education

Dakota State University

B.S. in Cyber Operations

3.1 GPA 2014 - 2018

Dakota State University

M.S. in Cyber Defense

4.00 GPA 2020 - 2021

Interests

CTFs

Chess

Traveling