

Dillon Rangel

Senior Security Analyst

Experience

2023 Security Analyst – Framework

Security

- Black/white/gray web app, internal & external network, API, pentesting. Conducted code reviews in major languages.
- Built proof of concept exploits and engaged with clients to explain best practice remediation techniques.
- Ran SAT trainings with clientele, conducted research on the modern cyber threat-scape.
- Developed and released a Flask based automated pentest reporting framework.

2020 – 2022 Various Independent

Research

- 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 Framework Tool

- Wrote an advanced phishing tool to bypass email filters, and record employees that need more training.
- Achieved a 48.5% success rate in bypassing the human firewall, email filters, and EDR during a red team engagement.

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 – Remote

+1 [REDACTED]

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<https://drangel.dev>

<https://github.com/dillon9>

Skills

Python, C, PHP, etc.

12 years

Cyber Operations

10 years

Social Engineering

7 years

OWASP/Pentesting

7 years

Reverse Engineering

5 years

Malware Analysis

5 years

Cloud Security

4 years

Risk Assessment Frameworks

4 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

Music

Chess

Cooking

Traveling