

Jack DeAngelis

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[GitHub](#) | [LinkedIn](#) | [Blog](#)

EDUCATION

Boise State University
B.S. in Computer Science

Boise, ID
Expected May 2029

EXPERIENCE

Independent Security Researcher Remote
Anti-Automation & Reverse Engineering December 2023-Present

- Reverse engineered industry-grade anti-bot solutions from Akamai, OpenAI, TikTok, and Castle.io, analyzing VM-based obfuscation, proof-of-work mechanisms, and client-side fingerprinting.
- Published technical writeups documenting methodologies for both static and dynamic analysis, including mobile SDK reversing with Frida and JADX.
- Open-sourced working deobfuscators and generators demonstrating practical exploitation of defensive architectures at scale.

PROJECTS

Blog | JavaScript, Python, Go

- Maintain autodev.blog, writing about anti-bot systems, reverse engineering, and the current state of web security from an attacker's perspective.
- Published reverse engineering writeups on Akamai (web sensor + mobile BMP), OpenAI Sentinel, TikTok, and Castle.io, with accompanying open-source code on GitHub.
- Topics include string array deobfuscation, Map-based virtual machines, SSL pinning bypass, and sensor payload schema analysis.

Anti-Bot Simulator | Python, Flask, JavaScript

- Built a multi-layer bot detection system from the defender's perspective to understand how anti-bot systems work internally.
- Vanilla JS client-side signal collection, Flask backend for risk scoring—no frameworks, focusing on fundamentals over abstraction.

SKILLS

Python, JavaScript, Go, Java, SQL, Frida, JADX, Burp Suite, mitmproxy, Git/GitHub. Strong understanding of HTTP protocols, TLS, client-side fingerprinting, and anti-automation architectures.

Availability: U.S. authorized. Available for Summer 2026 internship.