Zun (Leslie) Zhou

Security Engineer, Penetration Tester, Software Engineer

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WORK EXPERIENCE

Fortinet   5/2022 – 8/2022
Application Security Engineer Intern   *Sunnyvale, CA*
- Performed static analysis (SAST) with **Checkmarx** on 6+ Fortinet applications resolving 2000+ issues
- Performed dynamic analysis (DAST) with **WhiteHat** on 8+ Fortinet applications resolving 150+ issues
- Briefed development teams and management on 5+ additional vulnerabilities found in public APIs using custom exploits, **Burp Suite, Sqlmap, Postman** and provided advisory on the remediation efforts
- Composed and established custom **JavaScript** Secure Coding Guidelines for internal codebase to reinforce security by default
- Presented company-wide tech talk on latest security topics including **CVE-2022-30190** zero-day vulnerability and **OAuth 2.0**

H5   6/2019 – 8/2019, 9/2020 - 1/2021
Software Engineer Intern   *San Francisco, CA*
- Migrated **Python** script into **C#** code for H5's **Relativity** environments in **MVC** design pattern using **ASP.NET** framework
- Automated loading case trackers into the **SQL** database, improved the client team workflow by 10%
- Developed custom data intake scripts with **NodeJS** for Technical Support Team boosting productivity by 5+ tickets per day

City Racquet Shop   7/2017 - 5/2022
Web Developer   *San Francisco, CA*
- Built and deployed the landing page using **React.JS, Firebase**, maintained 99% uptime leveraging automated bots and scripts
- Developed an internal application to improve injury prevention and string playability, leading to improved customer satisfaction

EDUCATION & CERTIFICATE
- San Francisco State University, M.S. Computer Science, May 2023, 3.75 GPA
- San Francisco State University, B.S. Computer Science & Math Minor, January 2021, 3.08 GPA

- CompTIA PenTest+ (March 2022, Expires: March 2025)
- OSCP PEN-200 (In-progress, estimated August 2023)
- eLearnSecurity eJPT (In-progress, estimated July 2023)

PROJECT

Unfriendly Chat
- Led a team of 3 graduate students to develop a **E2EE** chat application using **Signal protocol, React.JS, Express.JS, Socket.IO, MongoDB**
- Conducted security review on the protocol through wireless packet capture and inspection using **Aircrack-ng, Wireshark**

Chain Doser
- Designed and implemented POC blockchain based Electronic Health Record system focusing on interoperability, security, privacy using **Solidity, OpenZeppelin (Access Control, Minimal Proxy Contract)**
- Built standalone medication reminder application to demonstrate users' ability to control authorization of health records using **SvelteKit, MySQL, Sign-in with Ethereum**

SKILL
Application Security: Checkmarx, Snyk, WhiteHat, Nessus
Pentesting: Burp Suite, Sqlmap, Postman, BeEF, Aircrack-ng, Wireshark
Languages: JavaScript/TypeScript, Python, Java, SQL, Solidity, Swift, Kotlin
Frameworks: Metasploit, React.JS, SvelteKit, Express.JS, Flask, ASP.NET
Operating Systems: Linux (Ubuntu, Kali, Qubes), macOS, Windows
Tools & Technologies: MySQL, SQLite, MongoDB, Git, Redis, AWS, GCP, Firebase, Docker, VMware

PRESENTATION
- Guest Speaker: "***Wi-Fi Hacking***", Silicon Valley Cybersecurity Meetup, March 2023
- Seminar: "***Side channel AttackeD DNS (SAD DNS)***", CS at SFSU, October 2021
- Seminar: "***Social Engineering***", CS at SFSU, *March* 2021