

# Chi Tran

## Security Researcher

Chi is a skilled professional in Vulnerability Management and Penetration Testing, known for his technical expertise and passion for sharing knowledge. His cybersecurity career features a broad portfolio of code-review projects, numerous CVE publications, and active involvement in CTF competitions. Chi is dedicated to advancing the industry, consistently contributing insightful security research to foster a more secure digital community.

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☎ 214-709-9118

📍 Wylie, TX

🌐 ctrsec.io

## SKILLS

Python

Go

Security Research

Application Security

Web Application Security

Threat Modeling

Vulnerability Management

Security Review

Cloud Security

## WORK EXPERIENCE

### Security Researcher

#### Amazon Web Services (AWS)

08/2022 - Present

Amazon Inspector

##### Achievements/Tasks

- Spearheaded the enhancement of Amazon Inspector and AWS vulnerability management tools, with a primary focus on securing the open-source software supply chain.
- Conducted in-depth research on vulnerabilities in software libraries and applications, including open-source and third-party components, to bolster system security and preempt potential threats.
- Developed security applications and proofs-of-concept, demonstrating innovative approaches to integrating and securing third-party and open-source tools within AWS products.
- Participated in comprehensive application security reviews, ensuring evaluations encompassed third-party and open-source applications, aligning with industry best practices.
- Designed and implemented a Software Bill of Materials (SBOM) generator and scanner, effectively tracking and managing vulnerabilities in open-source and third-party software components, significantly enhancing overall security posture.
- Collaborated with security researchers and developers to identify and remediate supply chain vulnerabilities in open-source software, contributing to the security community and AWS's commitment to supply chain integrity.

### Application Security Engineer

#### Amazon Web Services (AWS)

06/2020 - 08/2022

AWS Security

Virtual

##### Achievements/Tasks

- Helped driving AWS Bug Bounty Program by triaging new external submissions, monitoring, and validating the mitigation process.
- Worked with engineering teams across AWS to prioritize security issues identified during Security Due Diligence and Application Security Reviews.
- Provided expert advice and consultancy to internal customers on risk assessment, incident triage, threat modeling, and security vulnerability mitigation.
- Collaborated with engineering teams to drive product road-maps by providing security requirements that map security controls to service features.



## WORK EXPERIENCE

### Senior Penetration Testing Consultant Protiviti

02/2020 - 06/2020

*Achievements/Tasks*

- Assessed clients' network security posture using manual techniques and automated tools to identify and verify common security vulnerabilities. Report vulnerabilities and standard remediation activities, to include clear demonstration of risk to clients.
- Conveyed complex technical security concepts to technical and non-technical audiences including executives.
- Delivered projects using well-defined methodology across various security assessment disciplines: Red Team/Purple Team Engagements, PenTests, Network Vulnerabilities Assessments, Social Engineering, IoT Hacking, Web and mobile app testing.

Dallas, TX

### Penetration Tester Express Scripts

05/2018 - 01/2020

*Achievements/Tasks*

- Executed internal and external penetration tests against corporate cloud applications, web applications, APIs, networks, Windows and Unix variants to discover vulnerabilities.
- Performed mobile application penetration tests for both Android and iOS based devices.
- Created comprehensive and accurate penetration testing reports with recommendations for appropriate remediation.
- Developed scripts, tools, and methodologies to enhance Express Scripts penetration testing processes.

Saint Louis, MO



## ACHIEVEMENTS

First place Cloud Village CTF @ BSidesSF 2024

*Team securisec*

First place Cloud Village CTF @ RSA Conference 2024

*Team securisec*

Certifications: OSCP, OSCE, OSWE, GPEN

<https://www.credly.com/users/chitran/badges>

Department of Defense Researcher of the Month  
(03/2021)

<https://twitter.com/DC3VDP/status/1378003945147219975>

Security Blog & Research writeups & List of CVEs

<https://ctrsec.io/about>



## EDUCATION

### Bachelor of Science in Computer Science Southern Methodist University

01/2016 - 05/2019