Tommy Fields

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QUALIFICATIONS SUMMARY

- **Certifications:** OSCP, OSCE
- **Technical Skills**: Dynamic and Static Penetration Testing, Secure Code Review, Fuzzing, Cloud Security, Network Security, Software Development, Remediation Testing, OWASP Top 10, Burp Suite, GitHub, Windows, Linux
- **Programing Skills:** Python3, JavaScript, Golang, Java, Ruby, C, C++, x86/x86_64 Assembly
- **Interpersonal Skills:** Technical Writing, Customer Service, Consulting Presentational Reporting, Bilingual English/Chinese

EXPERIENCE

NetSPI/Silent Break Security *Senior Security Consultant,* Remote   August 2020 – Present

- Complete web application, cloud and API penetration tests for hundreds of clients, working mainly with AWS, Amazon, IBM, Charles Schwab and Bank of America. Consistently discovering critical severity vulnerabilities within client's infrastructure
- Demonstrate exceptional written communication skills by creating comprehensive reports detailing discovered vulnerabilities and remediation suggestions
- Develop scripts to automate tasks such as web scrapping, data parsing, content discovery and reporting using Python and Docker
- Mentor junior team members via shadowing and private instruction
- Work with the internal recruitment team to discover and hire 5 new full-time employees
- Practice effective communication skills working with team members around the world

Bishop Fox, *Security Contractor***,** Tempe AZ   March 2020 – February 2021

- Perform application, cloud and network security audits for clients striving to achieve Google partner certification
- Work as a team with QA experts and other security experts to develop detail-oriented security assessment reports using methodologies such as CWE and DREAD

Security Analyst Intern   October 2019 – March 2020

- Studying application, cloud and network penetration methodologies.

The Chinese Language Flagship, *Chinese Flagship Ambassador,* Tempe AZ   August 2018 – October 2019

- The language flagship is a DoD funded program with a mission of training students to achieve professional level Chinese proficiency. Prior to employment, I was a student of this program throughout my college experience
- Demonstrate strong written and spoken communication skills in English and Mandarin Chinese

PROJECTS

- **AppSec Study:** is a methodology for learning application security and performing penetration testing used to teach beginners
- **JWT Junk:** a python tool that automates JWT token security testing
- **Chrome Hacking:** a long term project with the goal of discovering security vulnerabilities in Google Chrome
- **Log4j Lab:** a testing lab hosted in AWS used for Log4j research
- **Test Files:** a collection of malicious files used during software testing to exploit file upload and processing features in applications

EDUCATION

Bachelor of Arts in Music, Minor in Chinese Language   **Graduation: May 2020**
Herberger Institute for Design and the Arts, Arizona State University   GPA: 3.75