SHIYIN LIN

CS Student & CTFer & Software Developer

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EXPERIENCE

Security Engineer, Intern at Certik - Waterdrop
Security Engineer, Smart Contract Audit, Penetration Testing

📅 May 2022 – Present

- Responsible for conducting penetration tests or smart contract audits of clients' and potential partners' products, with dozens of vulnerabilities spotted up to now.

Intern Security Researcher at Knownsec - 404 Lab
Security Research, Code Audit, Security Tool Development

📅 July 2020 – March 2021

- Programmed a passive web vulnerability scanner using Golang. Completed reflective XSS detection, SQL injection detection and directory traversal detection. Using this scanner, dozens of XSS vulnerabilities were found on several large websites.

PROJECT

Twitter like Server
F#, AKKA, RESP API, Json

📅 October 2021 - December 2021

- Developed Twitter-like service by using F# and AKKA, and programmed WebSocket API.
- Using the WebSharper framework, completed functions such as user registration, sending tweets, retweeting tweets, following users, and subscribing to HashTag etc.

E-Store Project
Java, Tomcat, JSP, Spring, Mysql

📅 July 2019 - Augest 2019

- A multi-role e-store project developed in Java, the role is divided into site administrator, merchant and customer. Site administrator can manage the various functions of merchants and customers, merchants on the shelves, customers browse and buy products.
- Develop part of the project code , the project uses JSP, Tomcat and Mysql implementation.
- Optimized and refactored the project from the original technology stack to the Spring framework, and upgraded the site security, using Apache Shiro to check the permissions of each account role.

InformationHUB
Python, Django, Docker, MongoDB, ESP32

📅 January 2018 - January 2018

- Platform for information display and management. Display various information related to dormitories during undergraduate studies. (combined with ESP32 development board to obtain information on dormitory temperature and humidity; use API to obtain information on dormitory utilities); manage database.
- Personal project. Designed all the database models and front and back ends. Deployed Django and MongoDB containers on my personal server using docker.

EDUCATION

M.S. in Computer Science   3.72/4
University of Florida

📅 August 2021 – May 2023

Coursework:
- Distributed Operating System Principles
- Computer and Network Security
- Malware Reverse Engineering
- Advanced Data Structures
- Internet Data Streaming
- Analysis of Algorithms
- Penetration Testing
- Machine Learning

B.E. in Computer Science   3.85
Hangzhou Dianzi Univeristy

📅 September 2017 – June 2021

Coursework:
- Data Structures
- Operating System
- Network Progeamming
- Discrete Mathematics
- Principle of Compiler
- Programming for C++ Language
- Object-Oriented Programming (Java)

SKILL

Golang | Python | C++ | Java | PHP
JavaScript | SQL | F# | C# | Spring
C | Apache | Nginx | Flask | Django
Docker | Gin | TensorFlow | PyTorch

Burpsuite | Nmap | Wireshark | Nikto
Metasploit | SQLmap | Gobuster | AFL
Autorecon | Zoomeye

LANGUAGES

English: *Professional working proficiency*
Chinese: *Native proficiency*
Japanese: *Beginner*
German: *Beginner*