

Jason S Tu 涂世昱

📧 [adc.github.trendmicro.com/jason-s-tu](https://adc.github.io/trendmicro.com/jason-s-tu) ☎ 0938947899 ✉ jason_s_tu@trendmicro.com

Summary

I'm currently employed at Trend Micro as a Software Engineer with a focus on Home Network Security and Cleaner One Pro projects. In Network Security role, I excel in troubleshooting technical challenges related to iptables, Linux system functionalities, Linux conntrack, and porting home network security SDK to a new platform and overcoming cross-compilation and platform specific issues.

Work Experience

G4 - Network Security

Trend Micro

Project: Home Network Security (HNS SDK)

Nov 2021 - Present

- Held the responsibility for porting the HNS solution, integrating the packet inspection engine and core process into ISP router devices.
- Addressed problems oftenly related to iptables rules, Linux system functionalities, Linux conntrack, or cross-compilation issues. Utilized tools such as GDB, iptables, and a trial-and-error methodology to conduct in-depth investigations and effectively resolve these issues.
- Improved the Packet Inspection Process by using iptables and conntrack techniques to prevent redundant packets from the same connection from entering the process.
- Acquire basic networking based issues solving techniques like Tcpdump and Wireshark.

G4 - Productivity App Team

Trend Micro

Project: Cleaner One Pro for Windows (COP)

Feb 2023 - Present

- Integrate account sign in flow in Node.js UI process along with COP API caller in c++ backend process.
- Maintain Github Actions CI build process.

VicOne - Supply Chain Mgmt & OTA

Trend Micro

Task: UDS Flash support

Aug 2023 - Oct 2023

- Verify and modify codes for vehicle ECUs firmware upgrade flow using UDS protocol.

Related Technical Keywords

Network Security, C/C++, Shell script, Linux, netfilter, iptables, Makefile, GDB

Education

Master of Computer Science

National Taiwan University

Sep 2018 - Feb 2021

Completed

Bachelor of Department of Photonics

National Cheng Kung University

Sep 2013 - Jun 2017

Completed