

CHIEH-MIN WANG

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EXPERIENCE

Synology - Senior Product Developer

January 2020 - present

Development Infrastructure Team

- Reduce the web request p99 latency of service running in a virtual machine from 40s to 1s by adjusting the overcommitted cpu and memory resources to a better allocation to reduce the VM memory page fault rate and cpu steal time. Improve the performance of service background workers by successfully scaling the workers to fully utilize the available cpu resources on the system.
- Setup monitoring and alerting infrastructure using Prometheus and Elastic stack to monitor the status of our services and find bottlenecks. Introduce Ansible for declarative server configuration to refactor the service infrastructure.

Synology - Product Developer

October 2016 - January 2020

Network Essential Team

- Design and develop a traffic monitoring solution leveraging netfilter conntrack and an DPI engine to provide detail network usage including bandwidth, application and domain access usage.
- Maximize the network throughput with DPI enabled by implementing a flexible offloading framework.

EDUCATION

National Chiao Tung University

Master in Computer Science

Score: 97.0 out of 100

August 2014 - July 2016

fatminmin.com/misc/master_eng.png

Bachelor in Computer Science (Computer and Electrical Engineering)

Score: 90.49 out of 100

August 2010 - July 2014

fatminmin.com/misc/bachelor_eng.pdf

PROJECTS

MinMinGuard

fatminmin.com/pages/minminguard.html

MinMinGuard is a popular Xposed module that removes ads from Android applications. MinMinGuard uses several API hooking methods to remove both ads and black space caused by those ads which is unique and more effective than any other ad-removing solutions in the market.

Contributions to the OSS communities

fatminmin.com/pages/about.html#oss

Linux, nDPI, Gitlab, Prometheus, SynoCommunity

`git log --author=chiehmin`

AWARDS

- Member of the Phi Tau Phi Scholastic Honor Society of the Republic of China
- 2013 CAD Contest Problem B - 3rd Place
- 2013 CADathlon - 2nd Place
- 2010 ACM ICPC Kaohsiung Regional - 7th Place / Tokyo Regional - 12th Place
- 2010 National Collegiate Programming Contest - 3rd Prize