

Wei Tan

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PROFESSIONAL EXPERIENCE

Intel

Oct 2018 - Present

Virtualization software developer

- Development on ACRN project, mainly focusing on device virtualization and performance profiling and tuning based on Intel virtualization technology.
- RTOS performance profiling and tuning, responsible for KPI on Xenomai and Preempt-RT operation systems.

ZTE

Jul 2015 - Oct 2018

Platform engineer

Nanjing, China

- Implement Android system virtualization with Linux container technology.
- Implement an efficient remote desktop protocol based on SPICE.
- Simulate a variety of hardware devices under Android, e.g. screen, camera, multi-touch pad, GPS, audio card.
- Linux/Android system performance tuning, including file system, scheduler, block device, network.
- Embedded system development, Linux and Uboot porting, device driver development.

ArcherMind

Nov 2013 - Jun 2015

Software engineer

Shanghai, China

Cooperate with Intel, responsible for Android Mobile/Tablet GFX related stuff.

- Android GFX frameworks, including SurfaceFlinger, HWC, View subsystem and so on.
- Display driver, including Android HAL, display controller driver, panel.
- Android rendering system, including Skia, OpenGL, GPU driver.

Hillstone

Jul 2011 - Sep 2013

Platform engineer

Suzhou, China

- MIPS hardware firewall development, focus on UBOOT and operate system development.
- Linux kernel TCP/IP stack development, also have experience of some protocol, such as ARP, TCP, UDP, IP, ICMP, FTP, IMAP, POP3 and so on.
- Linux driver development, including NIC, i2c, smbus and PCIE bus driver.

LEADERSHIP EXPERIENCE

GO language research

Jul 2011 - Present

Gopher

- Implement my blog system and some other tools with GO.
- Digging into GO runtime including GC, scheduler, map, split stack, refer to "Read Go" series in my blog for details.
- I'm contributor of several open source projects, such as pt, elvish, godef and especially Caddy.

Linux Kernel research

Sep 2007 - Present

Kernel hacker

- A enthusiastic Linux kernel hacker, I publish all my related research in my blog, you could find them under kernel tag.
- Implement a simple operate system on my own named tos, you could find it among my Github repositories.

EDUCATION

Nanjing University of Posts and Telecommunications

Sep 2007 - Jul 2011

Information security Bachelor Computer

Nanjing, China

- GPA: 3.06 / 4.0
- Honors/Awards: The Third Prize Scholarship (2007, 2009), The Third Prize of information security competition.

MISCELLANEOUS

- **Skills:** C/C++(Proficient), GIT(Proficient), GO(Proficient), Rust

08/06/2021

- **Github:** <https://github.com/tw4452852>
- **Blog:** <https://blog.totorow.xyz>
- **Interests:** sports, music, reading