

Wei Tan

(+86)138-0515-2997 | tw84452852@hotmail.com

PROFESSIONAL EXPERIENCE

ZTE *Jul 2015 - Present*
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, UBOOT and Linux kernel porting, device driver and BSP development.

Archermind *Nov 2013 - Jul 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 - Nov 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.
- Understanding Revel, it's a Restful framework, take a look at "Read Revel" series in my blog if you're interested in.
- 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*
Bachelor Information security 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)
- **Github:** <https://github.com/tw4452852>
- **Blog:** <https://totorow.xyz>
- **Interests:** sports, music, reading