

# Wang

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## EXPERIENCE

### Communication and Exploration

Nov, 2023 - present

- Analyzed Android audio module source code and authored blogs based on AVD
- Organized 5 seminars for industry elites on system performance analysis and improvement
- Contributed to a successful startup

### Android System Software Engineer - CVTE

Nov, 2022 - Oct, 2023

- Went through the entire process of *RK3588 IFPD project* from original code deployment to product launch
  - Completed the development of the customized audio module, including latency reduction and routing design, etc.
  - Developed the new features for USB module, Log module, peripheral module, etc.
  - Resolved compatibility and stability issues, including extending EMMC lifespan and addressing ANR problems
- Implemented cross-platform feature compatibility across Rockchip, Amlogic, and MediaTek platforms
- Mentored 2 new colleagues and guided 5 interns, resulting in 6 patents being accepted
- Led technology sharing sessions every two weeks

### Linux System Software Engineer - CVTE

Sep, 2021 - Oct, 2022

- Developed more than 5 IFPD projects based on Amlogic T972 and T982 platforms
  - Implemented various functions, including different sensor modules, input modules, updates module, etc.
  - Optimized system performance, including reduced standby power consumption and startup time
- Collaborated on the deployment of a new screen touch technology with object's material identification capabilities
- Optimized automated test and CI/CD workflows, successfully identified and resolved over 10 product risks
- Resolved factory incidents, preventing financial losses exceeding 1 million of RMB

### Linux System Software Engineer - CVTE

Jul 2020 - Aug 2021

- Completed the full-function migration of 3 newly introduced MCUs and resolved all associated SoC driver issues
- Resolved SoC compatibility issues in communication with MCUs and other devices
- Resolved MCU performance issues, including clock frequency offset, abnormal resets and so on

## EDUCATION

### Wuhan University of Technology

Master of Control Science and Engineering

Sep, 2017 - Jun, 2020

Bachelor of Automation

Sep, 2013 - Jun, 2017

- Led two research projects about special vehicle equipment, completing system design, development and delivery, encompassing algorithm, software, and hardware components

## SKILLS

- Proficient in embedded SoC architecture including RK3588, Amlogic T972 & T982 and MTK9950
- Experienced in Android audio architecture, and familiar with USB, Log and various peripheral modules
- Proficient in common Android system methods, including Binder, JNI, and system analysis techniques such as Perfetto and HWASan
- Strong communication and learning abilities, including organizing department training and code refactoring
- Excellent assistant development abilities, including document output, prompt library management and so on
- Basic English communication and writing skills

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