

# JingLiang Jiang

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Love nature, snow and freedom. Never give up and never stop to seek new challenge. Hope to experience all different kinds of life.

[godvmxi@gmail.com](mailto:godvmxi@gmail.com) | +86-18017302045 | [GitHub](#) | [Twitter](#) | [Capability](#) |

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## About Me

Full Name	Jingliang Jiang
Experience	9 years total, 6 years in multi-national companys, including AMD and Cisco , Good at programing and IT maintain.
Degree	Master's and Beachelor's Degree for EE, full-time for Beachelor and part-time for Master
Available	September

## Technology Stack

Network-ing	Aboving CCNA, should be CCNP (I had worked in Cisco for 3 years, we did not take part in the certification exam for team budget)
System	Linux, Windows, Mac
Virtualiza-tion	Exsi, PVE
IT Hare-ware	Evalute, Purchase, Configure, Assembly all kinds of related IT equipment.
IT Technol-ogy	Server HW/SW customized, workstation HW/SW customized, operating system customized, software customized, Printer, Networking and related IT equipment.
ASIC	Verification in Asic design for Video Codec(H264, H265, VP9, AV1, MJPEG), misc device
Video Codec	Have a full understanding about the video codecs, both in asic design and software stack develop
Language	C/C++, Python, C#, Bash

## Working Experience

2017/12-Now	<b>Advanced Micro Devices, Inc</b> Senior Firmware Engineer AMD today develops high-performance computing and visualization products to solve some of the world's toughest and most interesting challenges. <ul style="list-style-type: none"><li>• Making test platform purchase plan to suppport the diag team for asic verification and bringup, including networking device, workstation platform and so on.</li><li>• Setting up all necessary hardware platform to support team work.</li><li>• Maintain working equipment and other devices</li><li>• Developing the video codec (H264,HEVC,VP9) IP verification framework during both for the pre-silicon and post-silicon period.</li></ul>
2014/5-2017/11	<b>Shanghai InfoTM Microelectronics Co., Ltd.</b> Senior Software Engineer; IT team leader

InfoTM Co., Ltd. is an intelligent system operator with integrated circuit design and development as the core and provides intelligent terminal by integration and optimization of supply chain and offers system service supported by big data operating.

- Make IT equipment plan, and lead the IT team to maintain the IT equipment.
- Maintain equipment and building of company
- Software Tester
- Support customer for new software stack

**2011/10-2014/04** **Cisco Systems, Inc.** Software Engineer

Cisco is the worldwide leader in IT, networking, and cybersecurity solutions.

- Develop Virtualization thin client
- Implement Networking Protocol
- Develop virtualization software client in thin client
- Add misc device support for thin client, such as printer, IR remote controler, touching screen, XBox kinect and so on.
- Add vehicle can bus device support for thin client.

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## Education

**2012/9–2015/6** Master's Degree in Electronic Information Engineering, **Chinese Academy of Sciences University** (*part-time*)

**2007/9–2011/6** Bachelor's Degree in Electronic Information Engineering, **Qingdao University**

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## Projects

**2019/6-Now** **Mi100/200 AI GPU verification - AMD** Senior Firmware Engineer

AMD GPU AI solution for facebook and other customers

- Setup all kinds of server and PC platforms to verify the GPU card
- Help Board Enginer team to debug hardware issues ,incude pci-e, memory, power
- Add necessarg cases to verify all features for video codec IP in asic.
- Dig with design and other teams to solve related video issues

**2017/12-2019/8** **Oberon/Ariel AGPU verification - AMD** Senior Firmware Engineer

AMD AGPU game station solution for Sony PS5 and later game station

- Setup all kinds of server and PC platforms to verify the GPU card
- Help Board Enginer team to debug hardware issues ,incude pci-e, memory, power
- Add necessarg cases to verify all features for video codec IP in asic.
- Dig with design and other teams to solve related video issues

**2018/9-2019/9** **Arden AGPU verification - AMD** Senior Firmware Engineer

AMD AGPU game station solution for MicroSoft XBOX and later game station

- Setup all kinds of server and PC platforms to verify the GPU card
- Help Board Enginer team to debug hardware issues ,incude pci-e, memory, power
- Add necessarg cases to verify all features for video codec IP in asic.
- Dig with design and other teams to solve related video issues

**2018/9-2019/9** **OpenStack Deploy - INFOTM** Senior Software Engineer

Use OpenStack to re-organize the structure of the company.

- Design server and networking structure and define the budget.
- Use openldap as a global use authority method
- Merge all development tools to openstack

**2014/6-2017/9 Asic Chip verification - INFOTM Senior Software Engineer**

Infotm provided various chips for IPC, Game Station, SportDV, Android Pad, such as Imapx 200/800(pad), Apollo 1/2/x(IPC,SportDV,NVR), Corona 2/3(Game Station for Tencent), I handled the video codec IP verification, including in pre-silicon, post-silicon, driver implement, video framework implement.

- Keep video codec IPs(From Synopsys, include H1,H2,G1,G2) match the criterion of the design plan
- Help design team to estimate and measure the efficiency and power consumption
- Implement the BMS code based uboot to verify the design in RTL, FPGA and bringup period
- Verify other misc IPs in some projects(RS232, SPI, Flash Controler, OSD and so on)

**2016/9-2017/9 Asic Chip software stack update - INFOTM Senior Software Engineer**

Update the whole software stack for new framework to support more flexible video application.

- Design the video flow framework and implement the main base job
- Implement most of video modules for new video framework
- Implement supporting modules for new framework(such video filesystem(parse and store bitstream based ffmpeg), rtp tools, video quality setting tools and so on )
- Implement new build system for new software stack, based on buildroot and qemu.

**2017/3-2017/11 Customer Support - INFOTM Senior Product Support Engineer**

With the chip and software stack update, I switch my work to focus on the support for customers.

- Help customers to solve issues during the whole application
- Help customer's hardware/software teams to dig root cause of bug, then solve by myself or assign the solution to correct team
- Track project process

**2011/10-2014/4 Bluebird thin Client - Cisco Software Engineer**

Build thin client for Virtualization system.

- Add networking support for thin client(Wlan Client, Multi-AP, Manage VLAN, TR069, VPN Client)
- Implement management Restapi, web ui and framework modules for aboving modules
- Add CAN-Bus support, including software moduleis, hardware modules and multi-vehicles
- Track the hardware design from Foxconn

**2011/10-2012/2 Bluebird vehicle client module - Cisco Software Engineer, Hardware Engineer**

A car client module for vehicles, can support the thin client usage and server usage

- Add CAN-Bus module to collect the statistics of the vehicles
- Add GPRS/3G moudles to support communication between client and server

- Add Bluetooth modules to support communication among client, mobile, thin client
- Track and double check the HW design of Foxconn