Chi Lin Chang

(張祺崙/Alan Chang)

Homepage: http://qi1002.github.io/

7F, No.233, Bade Rd.

East Dist., Hsinchu City 30069

Taiwan (R.O.C.)

+886-9-3038-6000

alanchang544@gmail.com

EXPERIENCE

Mediatek, LINK, Taiwan/Hsinchu— *Manager or Technical Manager*

1. **June 2012 - PRESENT (CTO BU)**

➢ Camera team for smart phone project

- Hands on IQ tuning tool development. Use Python .NET to integrate with C# and python work together seamlessly. Familiar to C# and Python.

- Manage the team for 3Aflow and bit-True automation for image quality and tuning parameter flows. Familiar to android camera interface, camera related post process (ISP modules) and camera 3A(auto focus/auto exposure/auto white balance) flow

- Involved in the smart phone related projects (ex: P23, P40...)

➢ GPU team for smart phone project

- Hands on to develop the GPU driver (based on mesa 9.0) in the multiple environments, (ex: windows, Linux, android emulator, FPGA with Linux console, FPGA with android framework

- Integrate GPU driver and framework with the multiple android environments and Linux kernel versions and develop gralloc module. Besides, lead to pass GLES conformance and GPU benchmark performance test

- Develop for GPU two generation - Ruby, Sapphire and lead to land this in-house GPUIP on MT8127S tablet project and internal MP success on the same date with its sibling IC MT8127M with Mali

- Join the ADAS application survey to study openCL, openVX, MISRA-C, ISO26262, automotive SPICE

➢ The team management experience is more than 2 years in this period.

2. **January 2007 - May 2012 (TV BU)**

➢ Multimedia team for digital TV project

- Manage to support multiple video container format and codec development

- Manage to support multimedia (from USB/SD card) and streaming playback (from network) in digital TV and android TV for Stageright and openMax..

- Manage to support the project (i.e. MT53xx) for SONY, LG related project support and manage to support GStreamer in LG project.

➢ Multimedia team for analog TV project

- Hands on the integrate DVD multimedia features to analog TV project

SKILLS

C and C++

Java, C# and Python

OpenGLES, OpenCL, GPU

Android framework,

Linux Kernel

8032 and ARM RISC

ASP, JSP, CSS and HTML

CERTIFICATION

ISO 26262 Basic Training Course (Tuv Nord)

LANGUAGES

Chinese, English

- Manage to support more features , ex: NTFS, Chinese file name support, unlimited file number and folder number support
- Manage to support the project (MT82xx) for Samsung, TCL, Hisense related project support.

➢ The team management experience is more than 4 years in this period.

3. **February 2003 - December 2006 (DVD BU)**

➢ DVD team for alternative application based on DVD player

- DVB-T setup box embedded system on MT8205 for transport stream demux, feature development, (ex: channel scan/selection, EPG display and channel digest),
- The major RD for automotive infotainment DVD playback platform (ex: Liteon project) as the companion ship

➢ DVD team for DVD player project

- Hands on the DVD features development and maintain ace – audio related (CDDA, CDG, mixed CD, SACD) , file system and MP3 related. Familiar to 8032/ARM boot up flow and code/memory size reduction
- Hands on the SONY/LG related project (desktop/portable) on MT1379/1389 and be the windows to handle all kinds of issues in these project (UI, Panel, VFD...).

StarkTech, LINK, Taiwan/Hsinchu— *Project Supervisor*

October 2001 - January 2003

➢ E-Commerce team for enterprise applications

- Responsible for web development in application server, EJB and web programming (ASP/JSP/CSS/HTML ...) for enterprise application
- Involved to use Jboss, IBM Websphere and Oracle Weblogic J2EE to development for powerchip project to audit the status of FAB platforms. Familiar to Java and J2EE.

Acer, LINK, Taiwan/Taipei—*Technical Leader*

June 1998 – September 2001

➢ Application development team for PC bundled applications

- Responsible for video email and video conference client application development. Familiar to Virtual Studio MFC framework.
- VOIP application integration like NetMeeting. Familiar to SQL, ActiveX, H.323, SNMP, AAA, Radius and

National Taiwan University, Taiwan/Taipei — *Master*

September 1994 - June 1996

The major is NTU Computer Science and Information Engineering Department, Multimedia Lab

The title of master paper is "Discrete Cosine Transform Program Generator and its Related

Research ".

National Taiwan University, Taiwan/Taipei —*Bachelor*

September 1990 - June 1994

The major is NTU Computer Science and Information Engineering Department