

Chi Lin Chang

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EXPERIENCE

Mediatek, [LINK](#), Taiwan/Hsinchu— *Manager/ Technical Manager*

1. June 2012 - PRESENT (CTO BU)

- Camera team for smart phone project
 - Manage the team for camera 3A & ISP flow and support image quality tuning flows. Familiar to android camera interface, camera post process (ISP modules, bitTrue) and camera 3A(auto focus/auto exposure/auto white balance) flow
 - Involved in the CV algorithm survey for ADAS based openCL with OpenVX or openCLwith openCV or Halide.(ex: canny edge, pedestrian/face detection) and survey DNN – caffe for the possibility of ADAS application.
 - Hands on IQ tuning tool development. Use Python .NET to integrate with C# and python work together seamlessly in tool. Familiar to C# and Python.
- 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 K, Tablet with android L)
 - Develop GPU mandatory parts in android, like ION, gralloc, fence, de-queue & en-queue flow and lead to pass GLES conformance & benchmark (ex: Antutu, GFXBench)
 - Develop for GPU two IP generation - Ruby, Sapphire and lead to land this in-house GPU IP on MT8127S tablet project and internal MP success on the same date with its sibling IC MT8127M (GPU = Mali)
 - Join the ADAS platform survey, study MISRA-C, ISO26262, automotive SPICE
- The team management experience is more than 3 years in this period.

2. January 2007 - May 2012 (TV BU)

- Multimedia team for digital TV project (i.e. MT53xx)
 - 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 based on stagefright & openMax..
 - Manage to support the project for SONY, LG, Sharp, Panasonic related project support and manage to support GStreamer in LG project.
- Multimedia team for analog TV project (i.e. MT82xx)
 - Hands on the integrate DVD multimedia features to analog TV project
 - Manage to support more file system features , ex: NTFS, Chinese file name support,

SKILLS

C and C++
Java, C# and Python
OpenCL, OpenVX, OpenCV and Halide.
OpenGLS, GPU
DNN - Caffe
Android framework/APP development,
Linux Kernel and FPGA emulation
8032 and ARM RISC
ASP, JSP, CSS and HTML

CERTIFICATION

ISO 26262 Basic Training Course
(Tuv Nord)

LANGUAGES

Chinese, English

unlimited file number and folder number support

- Manage the customer project 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, 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 player features (ex: CDDA, CDG, mixed CD, SACD) , file system and MP3 related. Familiar to 8032/ARM boot up flow.
- 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 develop for powerchip project to audit the status of FAB platforms.

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.

EDUCATION

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 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