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| EXPERIENCEMentor Graphics, [LINK](https://www.mentor.com/taiwan/), Taiwan/Hsinchu— *Senior Software Engineer***June 2019 - PRESENT (AMS BU)**  * Model extractor QT Tool development and common model interface with simulator.  Mediatek, [LINK](https://www.mediatek.com/), Taiwan/Hsinchu— *Manager/ Technical Manager***June 2012 - January 2019 (CTO BU)** *(more than 3 years’ team management experience)*  * Camera team for smart phone project * Manage the team for camera 3A & ISP flow and support image quality tuning flows on our camera C++ modules. Familiar to android camera interface, camera ISP/3A on android C++ native framework and our bit-True flow with CModel by python scripts. * Involved in the CV algorithm survey for ADAS based OpenCL + OpenVX or OpenCL + openCV or Halide. (ex: canny edge, pedestrian/face detection) and survey DNN – Caffe for the possibility of ADAS application. Caffe, OpenCV, Halide are all based on C++. * 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) and be charge of the IP bring up in the first IC. * Develop GPU mandatory parts in android, like ION, gralloc, fence, dequeue & enqueue 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  **January 2007 - May 2012 (TV BU)** *(more than 4 years’ team management experience)*  * 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 and android TV based on android C++ native framework. * 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, unlimited file number and folder number support * Manage the customer project for Samsung, TCL, Hisense related project support.  **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 platform (ex: Liteon) 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](http://www.sti.com.tw/web/en), 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](https://www.acer.com/), 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 based on C++. * VOIP C++ application integration with NetMeeting, familiar to SQL, ActiveX, H.323, SNMP, AAA, Radius.  EDUCATIONNational 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 | SKILLS C and C++  Java, C# and Python  Android framework in java/native/kernel layers  Linux Kernel and FPGA emulation  8032 and ARM RISC  OpenCL, OpenVX, OpenCV  OpenGLES, GPU  DNN - Caffe  ASP, JSP, CSS and HTML CERTIFICATION ISO 26262 Basic Training Course (Tuv Nord) LANGUAGES Chinese, English |