

Personal Information

Name: George Qiao (乔珊山)
Nationality: China
Resident: Shanghai
Gender: Male
Date of Birth: 1980.08
Marital Status: Married
Present annual package: RMB 20K*13Months
Expected annual package: RMB 25K*13Months
Telephone number: 18721042819
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Education

Period: 2001.09-2005.09
University: Fudan University
Major: Computer Science And Technology
Degree Bachelor

Training

Period: 2006.09-2006.10
Organization: Intel-PXA Team
Training Course: Video (Frame Buffer, Camera) & ALSA
(Advanced Linux Sound Architecture)

Work Experience

Period: 2009.09-Present
Employer: Harman International
Position: Senior Software Engineer
Department: Advanced Driver Assistance Systems Group
Number of Sub Staff: Senior Software Engineer
Responsibility:
1. Design parking assistance framework and drivers
1.1. Developed a vision processing engine to handle vision algorithms(object detection) in TI OMAP3530
1.2. CCDC ISP driver and ADV7180 NTSC camera driver

1.3. 3D DMA copy driver for capture streaming to PowerVR GPU.

1.4. Porting parking assistance framework to x86 platform(PCI/PCle devices driver).

1.5. Developing IOMMU functions to implement GPU access CPU virtual memory on Linux kernel.

2. BSP tasks on OMAP4470 board

2.1. Support DDR Memory chips(samsung, elpida, hynix) on bootloader and kernel.

2.2. Support eMMC chips(samsung, toshiba, sandisk), and repartition it

2.3. Support display panels(samsung, LG) by DSI(MIPI) and DPI->LVDS interface

2.4. Support touch panels(atmel, focaltech)

Period: 2007.12-2009.09

Employer: VisualOn Software Co., Ltd.

Introduction: VisualOn is a mobile phone software development of multimedia application software American company.

Position: Video Codec Engineer

Responsibility:

- Developed Android Codec Engine by ARM Cortex A8, Neon. Video Recorder, capture A/V raw data, to Audio Encoder and video Encoder, A/V sync to File Sink component. The challenge is to managing the Video, Audio capture threads and codec engine threads.
- Developed Video Player & recorder, support Codec MP3, AAC, AMR and MPEG2/4, H.264, RMVB, etc., support post processing De-noise, De-mosquito, De-interlace. Etc.
- Modify Linux device driver and kernel, video for Linux2 framework, Framebuffer framework.

Period: 2005.09-2007.12

Employer: Augmentum

Introduction: Augmentum is an American company which China regional RD center is in Shanghai and Beijing. To provide high added value software

Position:

Responsibility:

development service for global customers.

Senior Linux Driver Engineer

- Developed Marvell PXA3xx platform. MMC/SD and NAND flash driver.
- Developed and porting on the IP telephone using the opensource Asterisk project.
- Developed a network device controller & adapter for police hardware (camera, video recoder, and matrix) to be deployable in Linux x 86 platforms.
- Automation adapter for main system in the public safety sector that provides emergency response capabilities to public safety organizations such as police departments, Six-Country Summit Secure System and Conducting Centre Equipment Control Driver.