李尚

个人资料

姓名：李尚	在读院校：东南大学
移动电话：(0)15251851305	Email： happylishang@163.com
性别：男　　出生年月：*1989-5-2*　地址：江苏省南京市四牌楼2号东南大学	

求职意向：

应聘职位：**软件工程师**　　期望工作地点：**北京、南京、上海**

教育经历：

硕士: *2011.9~2014.6*　　东南大学　　　　　微电子学与固体电子学　　　　　国家专用集成电路工程中心

学士: *2006.9-2010.6*　　青岛科技大学　　　电子信息科学与技术（综合排名：前15%）

专业技能及与获奖情况：

精通C/C++、熟悉Java，了解汇编；

熟悉单片机与ARM开发；

熟悉Linux/Android应用开发、驱动开发与移植；

了解Linux内核及TCP/IP网络协议栈，熟悉Socket编程；

熟练使用GNU开发工具、Eclipse、KEIL、VC++6.0、Altium Designer；

英语水平：大学英语六级（CET-6）；

获奖情况：2007-2009 校三等奖学金（三次 前 15%），2013 "挑战杯"东南大学校赛一等奖

实习经历：

2011.11~2013.8　　**东大集成电路系统工程技术有限公司**　　**金融终端研发部**
实习岗位：　　　　**嵌入式系统软件工程师**
实习任务：　　　　加入项目组，参与终端产品研发，项目涉及Linux/Android/ARM/单片机开发；按时提交代码，并撰写工作报告，参与小组讨论。

项目经验：

- *2012.5~2012.12*　　**基于 Android 系统的金融终端研发**

  项目简介：该项目基于TeleChip处理器开发平台，实现了一种运行Android2.1操作系统的金融终端，集成金融支付、移动通信、3G上网于一身，操作便捷、扩展性好，可用作商户管家、转账电话。个人职责：

  - ✓ 3G模块（CDMA2000）的移植及调试（USB串口驱动移植，Android RIL层开发）；
  - ✓ 指纹识别模块的移植与调试（实现驱动、Android硬件抽象层、JNI层接口）；
  - ✓ Android系统睡眠/唤醒功能的调试（实现输入设备驱动，并与Android 输入子系统对接）。

- *2012.3~2012.7*　　**基于 SEP3100 芯片的支付终端研发**

  项目简介：SEP3100是一款基于ARM Cortex-M3核的嵌入式微处理器，由东南大学自主研发。该项目基于SEP3100芯片，开发支付终端，替换原付终端中的STM32F系列芯片，降低成本。个人职责：

  - ✓ 负责芯片库的测试与改写：编写测试Demo，在线调试各个端口，重写LIB库（重写中断、UART、RTC、Timer、I2C、SPI端口配置函数）；

✓ 负责移植SEP3100到支付终端：修改硬件电路与底层驱动，调试时钟、LCD显示器、按键模块、磁条卡刷卡器、打印机。

● *2012.10-2013.3   基于 Android 金融终端的交易系统的实现*

项目简介：该交易系统采用Server/Client结构，基于TCP/IP协议进行通信。服务器程序运行在PC机上，支持并发与SQL数据库管理，客户端程序运行在Android金融终端上，经过指纹登陆，数据加密后，与后台交互。个人职责：

✓ Windows服务器的开发：利用MFC与Socket实现服务器，支持并发、通过ADO访问SQL数据库；

✓ Android客户端的开发：Android硬件抽象层的封装、JNI层接口的实现、应用层开发（定制UI界面，实现多Activity、Service间通信、实现JAVA多线程）

● *2013.4~2013.5   MD5 算法 IP 核的设计与实现*

项目简介：MD5是常用的数字签名算法，该项目主要利用FPGA实现MD5算法IP核，实现硬件加速。

个人职责：算法的实现，IP核的封装，驱动与测试代码的编写、测试验证。

自我评价：

✓ 擅长数学、推理、抽象思维，热爱编程；

✓ 有一年多的实习经验，参与多个项目，熟悉Linux/Android/ARM开发流程，能很好的融入团队；

✓ 认真踏实，勤奋好学，业余时间喜欢阅读相关的专业书籍。

Li Shang

Sex : Male   **Date of Birth:** May 2, 1989   **Tel:** 152-518-51305   **Email：**happylishang@163.com

OBJECTIVE

Desired Position: Software Engineer   Location: Beijing, Nanjing, Shanghai

Education：

2011.9 - 2014.6   Southeast University, M.S.   RANK: 40 %
Major: Microelectronics and Solid State Electronics
Research Direction: Embedded system design and development

2006.9 - 2010.6   Qingdao University of Science and Technology, B.S. RANK: 15 %
Major: Information Science and Technology

Professional Skills

Proficient in C/C++ language, familiar with Java, Assembly language;
Familiar with ARM& MCU and embedded software development;
Familiar with Linux /Android application development, driver development;
Knowledge of TCP/IP protocol and Socket network programming;
Dev Tools: familiar with GNU tools、Eclipse、KEIL、VC++6.0、Altium Designer；
English Skills: CET-6 503; Good reading and writing skills;

INTERNSHIP BACKGROUND

Internship period: ***2012.2 ~ 2012.8***
Corporation: **SEU Integration Circuits and Systems Co., Ltd.**
Department: **Finance and Communications R & D Department**
Job title: **Embedded Software Engineer**

Project Experience:

2012.5–2012.12   **R & D of Financial Terminal Based on Android2.1**
   Description: This project is based on TeleChip8902 processor developing platform, and develops a kind of financial terminal equipment which runs Android2.1 operating system. This terminal integrates financial payment, mobile communications, 3G Internet, and is of good scalability and more humane, could be used as merchants housekeeper or payment terminals.
   Responsibilities:
   ✓ Port and debug 3G module (CDMA2000), develop driver and main functions of phone;
   ✓ Port and debug fingerprint identification module, develop driver, Native lib and JNI;
   ✓ Debug Sleep/Wake-up function, develop drive and interactive interface.

2012.3–2012.7   **R & D of Payment Terminal Based on Chip-SEP3100**
   Description: SEP3100 is a kind of embedded microprocessor based on ARM Cortex-M3 core. This project is mainly to transplant SEP3100 to payment terminal to replace present STM32F Series, and simultaneously port existing software architecture to payment terminal.
   Responsibilities：
   ✓ Test and modify SEP3100 chip library, including GPIO, UART, RTC, SPI, TIMER,SCI;
   ✓ modify the hardware circuit and the underlying drivers , debug magnetic stripe card reader,

printer, smart card interface, real-time clock, etc;
- ✓ Transplant existing software framework to payment terminal.

2012.10-2013.3 **Implementation of Mobile Banking System Based on Android Terminal**
Description: This transaction system uses a typical Server / Client architecture, based on TCP / IP protocol. Server program runs on a PC, which supports concurrent and the SQL database management, the client program runs on the Android financial terminals, which interacts with the background after fingerprint login and data encryption.
 Responsibilities:
- ✓ Develop simulated bank server; Use MFC and Socket to develop server based on TCP/IP protocol, and support multi-user and database management;
- ✓ Develop financial client Software based on Android Terminal.

2013.4-2013.5 **Research and Implementation of MD5 Algorithm IP Core**
Project description: MD5 is one of the most commonly used algorithms for digital signature, the project is mainly to pack MD5 algorithm into IP core based on FPGA, to achieve the purpose of hardware acceleration.
Responsibilities: All completed by myself, including implementation of algorithm, simulation and test.

Self Evaluation

- ✓ Good at math, reasoning, abstract thinking, programming;

- ✓ Have been practicing for more than one and a half years, and participated in several projects, familiar with Linux / Android / ARM development;

- ✓ Patient, earnest, hard-working, and responsible.