Resume

INFORMATION

Name: **Bai Xiang**

Education: Master   Gender: Male
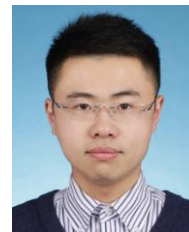
DOB: 1990.10   Residence: Yancheng, Jiangsu

Blog: http://jeremybai.github.io/   Email: baixiang19901012@163.com

Cellphone: 15106200365

Research Field: Embedded System Application

SKILLS

- Skilled in Freescale Kinetis (M4/M0+) MCU, familiar with embedded system development and the underlying driver software programming using K60 and KL25;

- Familiar with the mechanism of schedule, interrupt, task synchronization and communication in MQX RTOS;

- Good at English reading with rich experience in MCU Manual translation for Freescale, CET-4:534|CET-6:464|TOEFL:74;

- Skilled in C with good programming habits, familiar with Python, C#, HTML, CSS and JavaScript;

- Skilled in project development with CodeWarrior, IAR, Protel, Visual Studio, MySQL and Git, building the blog with Git + github + Markdown + Jekyll.

PROJECTS

- **Rapid Prototyping Control System**   **2014.5 ~ now**

Description: With the method of Stereolithography (SL), in accordance with the principle of photosensitive resin cured by the irradiation of corresponding ultraviolet to achieve the purpose of rapid prototyping.

Responsibility: Finish the preliminary design and implementation of the master controller software, PC control software and communication protocol. K60, which is an ARM Cortex- M4-based MCU launched by Freescale, is the MCU on the master controller. FTM,UART, GPIO and AD are used to realize the functions of driving a stepper motor, reed switch detection and communicate with PC. The PC control software which is written by C# implement functions like projecting pictures on LCD, parsing G code and sending commands to the master controller with UART.

- **Research and Analysis on MQX RTOS**   **2013.8 ~ 2014.7**

Description: Freescale MQX™ RTOS is a full-featured complimentary real-time operating system applied in industrial control, automotive electronics, and consumer electronics. Our lab begins to do research on the mechanism of schedule, interrupt, task synchronization and so on through analyzing the source code based on K60 entrusted by Freescale.

Responsibility: Study on the source code of schedule, interrupt, task synchronization independently to analysis the mechanism and finish the corresponding chapters in the book Application of Development With MQX RTOS.

- **Auto Login Gateway Script with Python**   **2013.12 ~ 2014.1**

Description: This project is conducted in order to solve the frequent logout from the gateway in unstable internet environment.

Responsibility: Finish the script independently; the script enables the computer to detect whether the computer is connected to the internet, if not, the computer will login automatically. Agile development is adopted in the process, Uncertainties at the beginning become clear gradually in subsequent iterations.

- **Baker Temperature Monitoring System**   **2012.10 ~ 2012.12**

Description: This project is designed for Renesas Semiconductor (Suzhou) Co., Ltd. The main features of this System are real-time temperature monitoring of the baker which is used for chip production, over temperature alarm and data upload.

Responsibility: Finish the data acquisition and process. This project has been put into use in Renesas Semiconductor.

EDUCATION

- **Soochow University**   **September 2012 ~ Now**

Candidate for Master Degree in Computer Science and Technology, Ranking 8 out of 170 students.

- **Soochow University**   **September 2008 ~ June 2012**

Bachelor Degree in Computer Science and Technology.

INTERNSHIP

- **2014.4 — 2014.5**   **Baidu, LBS QA**

The main work during the internship centers around bainuo webapp test, which is implemented by ODP, a php framework. I become more familiar with some test methods, test tools and the operations on Linux. The internship is short yet rewarding, I learn a lot from it like writing codes from the view of QA and code review to be included.

AWARDS

- First Prize for the Comprehensive Scholarship for the top 3% students for the academic year of 2009 ~ 2010, 2010 ~ 2011;
- Outstanding Student of Soochow University in the Year of 2009 ~ 2010, 2010 ~ 2011;
- Zhu Jing Wen Scholarship of Soochow University in the Year of 2009 ~ 2010, 2010 ~ 2011;
- Third Prize for the Comprehensive Scholarship for the top 15% students for the academic years of 2011 ~ 2012;
- Third Prize for the Sixth "Freescale Cup" National Smart Car University Design Competition in East China.

SELF ASSESSMENT

- Like coding, strong analysis ability, good practice ability
- Excellent communication skill and interpersonal skill
- Strong innovation and team working consciousness
- Like swimming, running and photography