Yuanbin Zhou

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Research Interests

- **Real-time System**: Limited-preemptive Scheduling, Response Time Analysis
- **Operating System**: Virtualization

Education

Hangzhou Dianzi University, China   *Sept. 2014 - Apr. 2017(expected)*
Master of Science in Computer Technology
Advisor: Pro. Guojun Dai, Dr. Yifan Wu
GPA: 3.22/4

Zhejiang Gongshang University, China   *Sept. 2010 - Jun. 2014*
Bachelor of Engineering in Electronics and Information Engineering
GPA: 3.14/4, 3.33/4 for last two years

Publications

- <u>Yuanbin Zhou</u>, Yifan Wu*, Guojun Dai, *"Delay Analysis for Fixed Priority Tasks with Last Non-Preemptive Region and Its Applications on Real-Time Control System"*(submitted to "Performance Evaluation:An International Journal, Elsevier")

Honors and Awards

- *Excellent Intern of Open Source Summer Camp*, CSDN.NET(ratio: 2/5)   Sept. 2014
- *3rd Prize of Zhejiang Province*, National Undergraduate Electronic Design Contest   Aug. 2013
- *1st Prize of Zhejiang Gongshang University*, Undergraduate Electronic Design Contest   May. 2013
- *2nd Prize of China*, Undergraduate Mathematical Contest in Modeling, CSEE   Aug. 2013
- *1st Prize of Zhejiang Gongshang University*, Mathematical Contest in Modeling(10%)   May. 2011

Research Experience

Delay Analysis for Limited-preemptive Scheduling Algorithm   *May. 2015 - now*
with Dr. Yifan Wu

The analysis of *IO Delay* and *Sampling Delay* for fixed priority tasks with last non-preemptive region(*FP-LNPR*) model and its applications on real-time control system.

Implementation of RM Scheduling Algorithm   *Mar. 2015 - May. 2015*
with Dr. Yifan Wu

Implementation of RM scheduling algorithm for RT-Thread Operating System which is a real-time operating system from China.

Software Engineering Experience

Software Engineer Intern - CSDN.NET, China   *Jun. 2014 - Aug. 2014*
RT-Thread Real-Time Operating System

Porting IPv6 network protocol stack named *LwIP* into *RT-Thread* which is a real-time operating system from China. Some contributions can sere here and the document on how to use it can see here but it is written in Chinese. Awarded 5000 Yuan($750) in this open source summer camp.

Software Engineer Intern - ETIM, China   *Feb. 2014 - Apr. 2014*

Video Monitoring Software

Development of video monitoring software. Main work includes the capsulation of SDK and the design of user interface.

Technical Strengths

- · Computer Skills: C/C++, LaTeX, git
- · Platform Development: Linux, RTOS, Matlab, TrueTime