Bo Jiang

Resume

ICT, Haidian district,Beijing,China
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EXPERIENCE

Vmware, Beijing— Intern *Software Engineer*
April 2016 – Now

Responsible for Log Insight Integration in NSX load balancer.

Loongson (ICT), Beijing— *Graphic Driver Engineer*
July 2015 - PRESENT

Developing a 3D graphic driver in embedded-system, vxworks.

EDUCATION

Northeastern University, Shenyang—*Bachelor*
Sep 2010 – July 2014

Major in Software Engineering, top 9%.

Institute of Computing Technology of CAS, Beijing — *Master*
Sep 2014- PRESENT

Major in Computer science, belong to Institute of Computing Technology

PROJECTS

Log Insight Integration in NSX-v LoadBalancer — *vmware*

➢ Be familiar with NSX architect and main functions in Log Insight. Configure NSX series product with log Insight.
➢ Cooperated with core NSX LB and Log Insight team, come up with a reasonable solution which would not effects the LB performance.
➢ Integrated with build-in components in **NSX Load Balancer**, like haproxy, Nagios, rrdtools. Make log insight supports CLI and API info in NSX.
➢ Implemented monitor on each Virtual Instance pool and each pool member status, like connections, health check, etc.

3D Graphic Driver in Vxworks — *loongson(ICT)*

➢ Transplant the hardware accelerated implementation of OpenGL in Mesa. Just supports hardware accelerated implementation.
➢ Implemented EGL layer use KMS to support any openGL program on vxworks.
➢ Implemented direct rendering manager module in vxworks kernel.
   ■ Thorough study the code of DRM in Linux kernel. Be clear to the process of graphic rendering in GPU and the architecture of GPU.
   ■ Implemented some facilities and utilities of linux kernel for DRM based on vxworks kernel API.
➢ Complied and linked mesa library and DRM module to vxworks kernel. Make complicated 3D application can be supported in Embedded system.

Massive Image Retrieval based on Map-Reduce — *Northeastern University*

➢ Distributed implementation of image feature extraction algorithm SIFT based on Map-reduce and build massive image feature database based on Locality-sensitive hashing.
➢ Build a model base image content and tag to improve image retrieval accuracy.
➢ Research on Hadoop job scheduler based on data locality and prefetching resource.

SKILLS

Familiar with Linux environment.

Especially Graphic rendering and GPU architecture.

C/C++ programming, familiar with STL and Boost library.

Java /Python/HTML: Web and Design Pattern.

Familiar with OSI networks and **TCP/IP**. Knowledge base of network programming and Hadoop.

AWARDS

National Encouragement scholarship twice, NEU scholarship 6 times.

Excellent student cadre twice of NEU, Excellent students of NEU twice

Excellent student and student cadre award of UCAS

Outstanding **volunteers** of ICT.

LANGUAGES

Chinese, mother tongue.

English, good at reading and listening, base communicate.

ADDITIONAL

Roller skating and Skiing.

Photography, take photos at many famous scenic spots .