

Education

- **Qingdao University** Qingdao, Shandong
B.S. Chemistry 2007 – 2011
 - Adviser: Dr. Zonghua Wang
 - Thesis: Modeling and Data Analysis with Ion Chromatography Methods Against Oil Samples
- **Towson University** Towson, Maryland
M.S. AIT 2011 – present
 - Adviser: Wei Yu
 - Focus: Internet Security

Status

Immigration Chinese Nationality with F-1 (student) US Visa
Employment Graduate Assistant in Towson University

Presentations

- *Open-source under Microsoft Windows*
 - Software Freedom Day 2010, Ocean University of China – Qingdao, China (Sept 2010).
- *How to Develop the First Mozilla Firefox Extension*
 - Yantai University – Yantai, China (April 2010).
- *Firefox Campus Edition Press Release*
 - Qingdao University – Qingdao, China (April 2009).
- *Use of Solaris in Software Development Enterprises*
 - Qingdao Software Park – Qingdao, China (November 2008).
- *Differences between Linux and Windows in Software Development*
 - Software Freedom Day 2008, Qingdao University – Qingdao, China (November 2008).

Publications

- *A Distributed Network-Sensor Based Intrusion Detection Framework in Enterprise Networks*

- Milcom 2011
- Difan Zhang, Wei Yu, and Rommie Hardy

Work Experience

- **Campus Ambassador** Qingdao, China
Mozilla Online, Mozilla Foundation *March 2009 – September 2010*

During this period of work, I am responsible for

1. Development of Mozilla Firefox Campus Edition
2. Study of Gecko rendering engine

- **Network Engineer and System Administrator** Qingdao, China
Network Information Center, Qingdao University *November 2009 – Present*

During this period of internship, my experiences are listed below:

1. Campus Network Reforming Project: configuration of DHCP, DNS servers, core routers and switches.
2. System Administration tasks including configuring a large variety of UNIX based services, optimization of UNIX servers. Acquired lots of system administration and disaster recovery experience as well as performance tuning experience.
3. Network Administration tasks including configuring Cisco and H3C devices on IP switching, routing, firewall configuration as well as diagnostics.
4. Development Tasks. Developed memcached reverse proxy server for `lighttpd`, Aluminum DNS Suite, network monitoring tools and automated server maintenance tools.
5. Virtualization Research and Deployment on Solaris Container, Xen, KVM, OpenVZ.

- **System Administrator and Author** Worldwide
ifanr.com *August 2010 – present*

I am responsible of server maintenance for ifanr.com, a leading Chinese technology blog.

1. Perform major updates on OS and application server
2. Fail-over configuration on high load site
3. MySQL optimization and query optimization
4. PHP optimization
5. OS based optimization

- **Website Developer** Towson MD
The Towerlight *March 2011 – May 2011*

I set up new PHP running mode, new web servers and scheduled backup plans for our website.

Open Source Software Contributions

- System Archetector and Co-author of the **TuiMaNe** OSE.
TuiMaNe is a Chinese Twitter App which analyze user's timeline and generate keywords based on the tweets in Chinese.
October 2011
- Committer of the **TWIP Project**.
Twip is a PHP based Twitter API proxy which is popular in Chinese users.
September 2010 – present
- Author of the **Aluminum DNS Suite**.
Aluminum DNS Suite is a intelligence DNS server.
July 2010 – present
- Author of the **PPP Download System**.
PPP stands for Python, Perl, PostgreSQL. It is well-known in Qingdao University.
April 2008 – present
- Author of the **Aluminum Blog System**.
Redefines the blog.
July 2008 – present
- Author of the **Aluminum Oil**.
Aluminum Oil is a computer aided chromatography analysis software. See <http://sourceforge.net/projects/aluminum-oil/>.
Feb 2011 – May 2011

Technical Skills

- Network Device Configuration
 - Cisco 2950, 3750, 4506, 6509, 7609 etc. Switch and Router
 - Cisco PIX Firewall
 - Cisco Firewall Service Module
 - Huawei-3Com High-End and Mid-Range Switch, Router and Firewall
 - Huawei Quidway ME60
- Markup Languages
 - CSS, L^AT_EX, (X)HTML, XML, XSLT
- Programming Languages
 - ASP, BASIC, C, Javascript, PHP, Python, C SHELL Script, SQL, Visual Basic
 - Specialized in Python and PHP under UNIX
- Specialized Software
 - Aperture, CiscoWorks, ChemOffice, Qianpu HW2000 Chromatography Workstation
- Special Interests:
 - D-SLR Photography
 - Typography
 - Japanese