

Jia-Jun Yeh

(886) 989 - 742 547

xnumtw@gmail.com

Taichung, Taiwan

xnum@GitHub | xnumtw@LinkedIn

OBJECTIVE

Looking for full time job software engineer, preferred system software, framework/library or back-end development.

SUMMARY

Experienced, skilled programmer, hands-on experience in UNIX programming and command line environment. Have excellent problem solving skills. Dedicated to developing software, care about code readability and reusable to work with each other. Working knowledge of computer security for preventing software exploitable.

EXPERIENCE

National Chiao Tung University Information Technology Service Center

Sep 2015 - Present

Software Engineering Intern

- GAE Mail Service
 - migrated four mail services and thousands of accounts built by NIS to Google cloud service and office 365 service.
 - Skills: PHP, CGI, curl, C, Python, Apache, MySQL

National Taichung University of Education

Feb 2015 - Jan 2016

Software Development consultant

- helped college student's graduation team project
- UNIX daemon refactoring
 - traced daemon which monitoring and controlling clusters node, designed new architecture and protocol communication with master node, offered project structure, analytics tools guide, implementation solution.
- web interface refactoring
 - traced web interface that controlling whole clusters and display current/history information of clusters, surveyed solution for RWD front-end, remote procedure call, MVC model and web security review.

EDUCATION

National Chiao Tung University

Sep 2015 - June 2017 (Expected)

M.S., Institute of Computer Science and Engineering

- GPA 3.93 / 4.3
- Software Quality Lab
- Teaching Assistant: Basic Programming
- Relevant Coursework: Software Testing, Parallel Programming, Operating System, Advanced UNIX Programming, Network Security, Network Programming, Institutional System Development and Management

National Taichung University of Education

Sep 2012 - June 2015

B.S., Department of Computer Science

SKILL

Expert

Language: C/C++
OS: Linux (Ubuntu)
Tools: vim, gdb, tmux
Others: System Software

Intermediate

Language: PHP(laravel)
OS: CentOS
Tools: ctags, gprof
Others: System Admin

Beginner

Language: C#, Python, shell script,
javascript
Others: Apache, nginx

PROJECTS

BeanfunLogin (C#)

- Project maintainer
- Helped users log in game easier and quicker, manage game account
- 2000+ users each day

OpenCart Customization (PHP)

- Facebook login via OAuth API
- Payment via AllPay API
- Custom function: donation, form field modification, coupon code

Advanced UNIX Prog. (course, C++)

1. Library hijacking
 - 1.1.strace-like tool
2. Shell
 - 2.1.bash-like
 - 2.2.stdio redirection, pipe
 - 2.3.process group, background switch
 - 2.4.wildcard char
3. SimpleHttpServer
 - 3.1.GET method
 - 3.2.403 / 404 error
 - 3.3.directory listing

HackMD (node.js)

- Organization member
- Contributed slides mode for note

nng2014 (C++)

- puzzle Nonograms solver
- Implemented in C++
- Benchmark and improved speed using gprof
- Optimization trick

Network Programming(course, C++)

1. Remote Access System (ras)
 - 1.1.rsh-like service for single user
2. Remote Working Ground (rwg)
 - 2.1.extend ras to support multiple user by multiplexing IO
 - 2.2.chat and pipe with each other
 - 2.3.shared memory / FIFO
3. HttpServer
 - 3.1.CGI support
 - 3.2.connect to multiple rwg server
4. SOCK4 Server
 - 4.1.dst ip/port deny policy

AWARDS

Taiwan Student Cluster Competition

| | | |
|-------------------------------|-------------|----------|
| Honorable mention (4th place) | Team leader | May 2014 |
| 3rd prize | Team leader | May 2015 |
| | Instructor | May 2016 |

- Installed application and operating system in cluster from scratch, programmed shell script to help installing OS automatically.
- Executed and tuned High-Performance linpack benchmark, applications, results briefing.
- Developed tool infoReceiver for real-time cluster system information monitoring.

National Collegiate Programming Contest

Honorable mention (32th place) Dec 2014

Information Security Skills Competition (資安技能金盾獎)

Finalist Nov 2015
Finalist Dec 2016

CTF-like competition, problems includes: cryptography, stego, binary analysis, reverse engineering, web exploitation, log analysis, misc.

Collegiate Programming Examination

12th / 924 23 Sep 2014
34th / 612 25 Sep 2012