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PROJECT EXPERIENCE

Academic Research Project Experience

(Independent) Design and Implementation of Automatically Text Classification System for Chinese Micro-blog **Oct 2012 - Present**

- Tutor: Prof. Guohong Fu
- Research field: NLP(Natural Language Processing)
- Lab: Computing Linguistics of Key Laboratory of Database and Parallel Computing , College of HeilongJiang Province

Engineering Project Experience

(Independent) Build Independent Personal Website

- Future movement: Fork Jekyll and do some modifications to meet my demand, or write one from scratch.
- Build a personal publishing site using **Markdown, Jekyll, Git, Github, Shell.** Mar 2013
- Build an independent blog using **Linux, Apache, MySQL, WordPress** from scratch. July 2012

(Independent) TCP+UDP Network Communication Program(C/S) Apr 2012

- Design and Implement two network communication program (C/S), working both on single machine and multiple computers.

(Team) Small RDBMS (2 Men) Oct 2011 - Dec 2011

- Based on Relational Database theory, and SQLite, design and implement a RDBMS, simulate primary function of SQLite.

Intern Project Experience

(Team) China Unicom Communication Assistant - Windows Client Dev. Feb 2012

- My responsibility is to develop two modules of windows client (Login module and message sending module), meantime, wrote a server program to test client.

Open Source Project Experience

May 2010 - Present

Testing and Bug report

- Mobile Apps: Contact+, Youdao Dict
- Desktop Software: 1.Kiwix, cross platform wiki program - Linux (Ubuntu) brunch; 2.WizNote Windows brunch

Interested In and Studied Before

- I like Open Source, these are open source project I interested.
- Linux Kernel(C), Webkit Engine(C++), Nginx Web-server(C), PetaBox distributed storage system (archive.org)
- eMule(C++), Everything(C++), Fastcopy(C++), Markdown(Perl), Google Linear Scanner, Simply-HTML(Java)

Archived Projects and Project Details

Please visit (<http://xuelianghan.github.com/project.html>)

HARD
QUALIFICATIONS

CODING & LANGUAGE

An estimation of lines of code I wrote in college

- 10000-30000: C, C++
- 1000-10000: CSharp, Java, Python,
- <1000: Assembly-language, HTML, LISP, Lua, Ruby, Shell, SQL,

Language

- Primary programming language in college is C, C++, have experience of Windows development under Visual C++ and Visual Studio using C++ and C#, I use HTML do some Web Front-End development (build and maintain my website), some time write some script using Lua, Python, Ruby, Shell to do automation work, I use SQL to get data from database.
- I'm learning SICP, and highly interested in functional programming language, such as LISP, Clojure, Go.

Professional KNOWLEDGE

Computer Science, Software Engineering, Network Security & Personal Privacy

Specific SKILLS

Programming

Programming in GUI, Network (TCP, UDP), Web
Programming in Unix/Linux, Windows
Reverse Engineering

Non-Programming

Driving: Car, Motor, Bicycle
OS Super User: Linux, Mac OS X, Windows, Android, BlackBerryOS, iOS, PalmOS
Type Setting: $L^A T_E X$ ($T_E X$ maker), Word(MS-Office)
Useful skill in China: Many ways to cross the GFW

Craftsman's TOOLS

UNIX/Linux Development Tools Kit

Compiler(GCC), Editor(VI/VIM, Emacs), IDE-Eclipse, Version-Control(Git), OS-Distro
(Arch, Fedora, Ubuntu)

Windows Development Tools Kit

Database(SQLite Expert), Editor(Notepad++), IDE(Visual C++ 6.0, Visual Studio,
Eclipse), MSDN, Version-Control(SVN)

Utilities (Cross Platform)

Mindmap(FreeMind, FreePlane, Personal Brain), Text-Processing (Markdown, HTML,
 $T_E X$ Maker)

Sound Working

Continuous Integration Environment - Jenkins(Hudson)

Strong ABILITY to get things done

- Ability to think hierarchically and abstractly.
- Self-driven, quick starters, learn fast, and deep understanding to the principle.
- Able to distinguish the differences between techniques and choose appropriate tools to solve specific problems.

Excellent COMMUNICATION & TEAMWORK

- 3 years of **teamwork experience** in two big social associations, be party host in college too.
- **Easy** to work with, better **interpersonal communication** than most other software engineers.
- Receive **inter-cultural communication** training in college, have some background **knowledge** and **understandings** to the culture in America, Europe, Russia, Middle East, India, South America, Africa, and Japan.
- Discuss and exchange ideas about the **science, technology, engineering** with other professionals in daily life.(Such as: Front-End, Back-End, algorithms, data structure, OS, network)

Fluency in ENGLISH (reading, writing, listening, and translating)

- I past College English Test 4 and 6 without any preparations, my primary knowledge and information source are English books and news.
- I **read** professional English books and documents about Computer Science and **write** articles and blog in English, besides, I don't need subtitles to **listen/watch** English audio/video.
- As curiosity, I like to read books about advanced technology, science and **translate** them into Chinese for a better **understanding** and also for **fun**.

Good at SPORTS

- I have a good physical body condition, and highly skilled in **control** and **balance** physical and mental health.
- I'm **good at** *long distance running*, and I **like** (*diving, swimming, skiing*) very much. I **played** (*ice-skating, roller-skating, basketball, football, ping-pang*) before, and for now, I'm **looking forward to** try these sports (*bungee jumping, free fall parachuting, rock climbing*)

Awards and Honours

- Prize for Outstanding Contribution in Technical Innovative Club of Computer Science & Software Engineering of HeiLongJiang University 2010 - 2012
- Third Prize in HeiLongJiang Provincial Contest in ACM International Collegiate Programming Contest 2011
- Second Prize in HeiLongJiang Provincial Contest in ACM International Collegiate Programming Contest 2010

Education and Self-Education

Heilongjiang University, Harbin, Heilongjiang Province, China

Sept 2009 - Present

- Undergraduate of Software Engineering
- Expected graduation date: July 2013

I read a lot, I learned from Internet, I study Open Course (Coursera, UdiCity), and currently pursuing advanced graduate degrees.

Interests and Social Activities

Interests

- Art(Painting, Music, Film), Open Source, Programming, Reading, Sports, Travel

Association of **Technical Innovation** of Computer Science & Software Engineering of HeiLongJiang University May 2010 - May 2012

- Leader of Network Security Group, guide the lower student about Network Security and Personal Privacy. May 2011 - May 2012
- Member of Network Security Group of Association. May 2010 - May 2011

Association of **Enterprise**, Department of **Entrepreneur** Forum

Sept 2009 - May 2010

- Learned and practised how to make a effective communication and efficient teamwork in a group (20+ people).
- Trained to get a project done by work collaboratively with the people from different department.(200+ people)