Fei Wang

Programming · Computing · Typesetting

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Microsoft Certified Technology Specialist
C1 Certificated Driving License

Education

2006-2010

Wuhan University, China.
Degree: Bachelor of Engineering in Software Engineering
Thesis: "Personalization Recommend Module for Enterprise Service"
Advisor: Prof. Jianguang Tu

2010-2011

Dublin City University, Ireland.
Degree: Master of Engineering in Telecommunications Engineering
Thesis: "Congestion Control Mechanisms for OBS Networks"
Advisor: Dr. Conor McArdle
Grade: Second Class Honour

Skills

Development

Language	Writing clean code in Python, Java, C/C++, Haskell, with practical experiences	Back-End	Backend Development with MVC architecture framework, such as Web.py+Sqlalchemy+Mako, Spring+Hibernate+Struts
DataBase	Good knowledge of relational database, especially for mysql and postgresql	Front-End	Frontend Development with Javascript, Css. Write browser compatible Html with Jquery framework and Bootstrap
Cloud Dev	Build web app on Google App Engine cloud platform and using google Datastore	Syntax	Lexical analysis and parsing with Flex Bison Antlr
Simulation	Discrete Event Simulation with NS-2 and Opnet	Method	Object-Oriented, UML, Unit Test

Office and Tools

Document	Write official report with LaTeX, Sphinx, Asciidoc, Reportlab, Pandoc	Plot	Data visualisation with Graphviz, Gnuplot, Tikz, Matplotlib
Version	source code manage: Svn, Git SourceSafe	Editor	Vim, Eclipse, Visual Studio
Productivity	Xmind, GTD		

General skills

Excellent quick learning and problem solving ability under time constraints

Critical thinking and effective communication

Skilling at using google and stackexchange tool chain

Experience

Pratice Experience

Summer of 2009
DaLian Neusoft training, Embedded greedy snake game, win **the best project** award, To be the major developer, responsible for the driver of LCD1602, wrap the developer-friendly api for high layer.

Hardware: LPC2124 cpu + LCD1602	Operate System: uc-OS
Module : Driver of LCD1602	Submit code : 1000+ lines

Summer of 2010
ShenZhen Broadengate training, Platform of commodity service, be selected for **the best project** , To be the major developer, Maintain code repository with svn, build the whold project skeleton, responsible for group-wide training of J2EE development and tackle the key problem of personalization recommend engine.

Platform: J2EE	Frameworks : Spring+Hibernate+Struts
Module : Personalization recommend engine based on Mahout	Submit code: 2000+ lines

Winter of 2011
GmusicIreland Entertainment Internship, PHP video website, Major developer. responsible for website building and content updating, include video cutting and merge

Personal Project Experience

2011.10
A blog system hold by google app engine.
Develop with python, using the light-weight WSGI framework YUI. Mako as template engine. Included some major feature: post/update/delete article, send weather forcast to mobile phone, LaTeX forum render

2011.05
IEEE802.11 simulation with NS-2.
Measure the performance of Qos application under the IEEE802.11 protocol network with NS-2. Write the TCL script simulation and awk script to do data visualization. Analysis with queuing theory

2008-2010
Emerangel CMS system.
Build the CMS system based on some existed open source project, such as wordpress, joomla, media wiki. customize the page style of them. let them look consistent. Integrate the user Authentication with ucenter

Language

Chinese	Mother tongue
English	CET-4, EPTIP IT , Fluent

Interest and Activities

2008-2010
Emerangel first-aid knowledge spread non-profit organization, act as the minister of network department.
I build a one-stop content manage site. It include a news publication website, a wiki knowledge management, a forum for online discussion, a office suit for internal communication. It really works well. Be in this period, I also served as volunteer of Hubei Emerangency Center