Curriculum Vitae

PROFILE

Name	**(Mr) Keyang Xiang**
Qualification	**Master of Science (MSc)**
Address	**40, Cluain a Laoi, Cork Road, Waterford, Ireland**
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e-CV	**http://cv.keyangxiang.com**

Technical Skills

- Expertise: HTML5, CSS3, Javascript
- Expertise: Web Application architecture/ modularise.
- Expertise: jQuery, jQuery Mobile, Sencha(ExtJs)
- Expertise: Node.Js
- Expertise: PHP5 / Joomla! 2.5.*
- Expertise: PhoneGap Mobile Application development
- Expertise: Feedhenry Application development
- Advance: Ubuntu/Debian Linux system operation & administration
- Advance: MySQL / Structured Database Management, SQL
- Advance: MongoDB / NoSQL DB
- Advance: Ant
- Advance: Apache 2 installation & configuration
- Advance: Nginx installation & configuration
- Advance: JAVA EE 6 / EJB 3
- Basic: Maven
- Basic: Cloud Computing
- Basic: C# / .NET framework
- Basic: Jenkins
- Basic: Bash Script
- Basic: Express (Node.JS)
- Basic: Photoshop
- Used: Python
- Used: Wordpress

Software Engineering Base

- Expertise: Agile
- Expertise: Objected Oriented Programming
- Expertise: Model – View – Controller
- Expertise: HTTP
- Advanced: Design Patterns.
- Advanced: Software Architecture: Event Driven, Distributed Computing, Client-Server, P2P
- Basic: Human Computer Interaction
- Basic: Software Quality
- Basic: Software Requirement

- Basic: Network Protocols.

WORK EXPERINCE	
Corporation Name	Feedhenry Ltd
Website	http://www.feedhenry.com
Occupation	Architect & Senior Software Engineer
Working Year	Mar 2011 - Present
Project	• Irish Life Calc • Independent News. • RTE Radio Pocket Player • MyMed App • NCB stock viewer • Aerlingus App • RTE Documentary One • Riverdance App • Health New England App • New York Hospital App • Airport Genie • RSA project • UCB • Peachy • Network Rail (UK) Projects
Responsibilities	Design system architecture Evaluate cutting-edge technology Lead and drive project progress Manage technical stack Supervise software development process Software development Define product vision Train customers and partners Plan software development for future needs.
Corporation Name	Telecommunication Software and Systems Group (TSSG)
Website	http://www.tssg.org
Occupation	Software Engineer
Responsibilities	• Website development • Web Application Development • Javascript Framework for Platform • JAVA EE 6 Backend Development • System Architecture Design • Analyse and discuss requirement.

	• Design Patterns • Documentation • System Modelling
Working Year	Aug 2010-Mar 2011
Project	• Smart Space Guide Service (SSGS)
Introduction	SSGS helps non-tech users build cross-mobile commercial guiding applications over web views. Besides, SSGS itself is highly abstract and extendible. Without involving engineers, web developers could deliver templates and function packages to extend SSGS. The system is divided roughly to 3 tiers: Web Client/ Hybrid App Client, PHP based Website, JEE6 based Backend.

Corporation Name	Best Automatic Controlling Centre
Institute	Automation centre of Guangdong branch of The Chinese Academy of Sciences
Occupation	Software Engineer
Working Year	2007-2009
Project Experience	• Video management system. • Fire alarm distribution system. • Cloud Data Storage • Learning Platform • Thunder Downloading Tool
Introduction	Video Management System allows user to upload massive video files through Flash to a C#.Net 3.5 based server. It includes basic DOM manipulation using DHTML and jQuery. Fire Alarm Distribution System uses Ajax to pull fire alarm information and display them on a map (like Google Map). Cloud Data Storage provides a light way to store JSON data. It is like Web Storage but it is online. The system used token to authorise different actions and provide several ways to retrieve data: SOAP, REST, JSONP, etc. The target is to minimize server-side logic and browser is able to talk to Data Storage directly with different permissions. Learning Platform is a Joomla Based education website. It uses jQuery UI to enhance user experience. Thunder is a downloading tool that is based on P2P and C/S architecture. It uses finger print, snap, and clients to dramatically increase downloading speed.

EDUCATION

Year	Items	Content
2009-2011	Education Level	Level 9 (Master)
	School Name	University of Limerick
	Course Name	Software Engineering
	Final Thesis	The Clarification and Implementation of Behaviour Driven Development: an Iterative Tool Kits Study Approach
	Abstract	Test Driven Development (TDD) is one of the most popular approaches used by Agile practisers. However, TDD itself is also very confusing. For example, developers do not know what to test, where to test nor how much to test. In order to eliminate the confusion, Dan North – another Agile guy, introduced Behaviour Driven Development (BDD) which evolves from TDD. BDD combines the concepts of TDD, ubiquitous language, and acceptance testing so that developers are more convinced with tests they have written by knowing what business value is delivered. Moreover, BDD is an good communication tool between engineers and customers. It provides an iterative decomposition approach to help them to analyse requirement. However, Behaviour Driven Development has no standard model nor good documentation. This causes a chaos in BDD tool kits. This thesis clarified concepts and features of BDD and generated a BDD model. Based on the theory provided, the thesis analysed and compared current BDD tool kits.
	Final Mark	Qualification: Master of Science. Honours: Second Honour, Grade I.
2003-2007	Education Level	Level 8
	School Name	South China University of Technology (985 plan & 211 plan)
	Course Name	Mathematics and Applied Mathematics (Computer science related)
	Final Year Project	Community First Aid Alarm System Based On GIS.(CFAS) **Introduction:** CFAS helps patients call for help and alarm nearest registered hospital. User (patient) could use mobile devices or special equipment (like a wireless trigger) to send an emergency signal to nearest hospital through landline, internet or broadband. The alarmed hospital will automatically call for doctors and print related information (i.e. Disease history of the patient, directions on the map from hospital to patient's resident, patient general information).

	The purpose for this system is to reduce danger of sudden attacking disease like heart attack.
Final Mark	78 out of 100 (equals Second Honour, Grade I) Graduated with 209 credits (170 required).