

SHANG, Liang  
Software Developer  
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## **Education Background**

From: September 2013 To: September 2014

University: Imperial College London.

Major: Software Engineering Degree: Master of Science

Main Courses: Distributed and Parallel Algorithms, Advanced Object Oriented Program, Advanced Database, Software Reliability and Robotics.

From: September 2008 To: June 2012

University: Dalian University of Technology.

Major: Network Engineering Degree: Bachelor of Engineering

Main Courses: Operating System, Networking, Data Structure and Algorithm, Database, Network Security (Cryptography) and UML.

## **Working Experience**

From August 2012 to August 2013,

Working Experience in SipingSoft (Chengdu) as a Java developer

## **Project Experience**

- March 2013 - August 2013

### **Product Lifecycle Management System,**

**Responsibility:** Participated in designing the function of the system and designing the database, designed and implemented modules such as BOM management, change procedure and document management.

**Project Description:** A B/S system used in R&D department, helping employees to manage their material, BOM, change number and document in their daily R&D works. It is implemented by java, Spring and iBatis. DB is Oracle, while front-end tech are JavaScript, jQuery and HTML5.

- December 2012- February 2013

### **Customer Management System(Sales),**

**Responsibility:** Participated in requirement collection with customers, designing the database and implementing modules, such as product management, customer management, sales statistics and order management. Used jQuery Mobile to fit the mobile device browser.

**Project Description:** A project helping FMCG sales manage their customers, orders and performance. it is built by Java, using Spring and iBatis. DB is Oracle, and front-end skills are JS, jQuery and HTML5. **Especially**, this system can be showed and operated in browsers of mobile devices such as iPhone and iPad.

From July 2011 to November 2011,  
Intern Experience in Citicorp Software and Technology Services (Shanghai) Limited as a Java developer

### **Project Experience**

- From July 2011 - November 2011  
**BAU of EMEA Consumer Online Banking,**  
**Responsibility:** First trained JavaEE, soft skills and Citibank procedure. Then made improvement of Online Banking System such as adding new web pages.  
**Project Description:** An online banking system used for customers in EMEA, implemented by Java and based on Citi's own structure.

### **Undergraduate/ Graduate Projects**

- From May 2014 - now (to be finished in September 2014)  
**Hardware Accelerator Virtualization,**  
**Responsibility:** To design, implement and evaluate the whole middleware.  
**Project Description:** An individual project to implement a middleware, through which programs running on KVM can benefit from the hardware accelerators on hypervisor. The hardware accelerator is DFE from Maxeler. Language is Python, Java and DSL(for DFE).
- From January 2014 - May 2014  
**Flyway – Tool for Resource Migration between Clouds,**  
**Responsibility:** Learnt knowledge of OpenStack, took charge of migrating users and roles, tested and fixed bugs of other migrations.  
**Project Description:** As part of Facebook Open Academy, this project is to create a tool for forklifting resources from one OpenStack instance to another. The language is python. Nova/Keystone/Cinder-client, Taskflow and paramiko are used. Project can be accessed by "git clone [https://github.com/Phoenix1708/OpenAcademy\\_OpenStack\\_Flyway.git](https://github.com/Phoenix1708/OpenAcademy_OpenStack_Flyway.git)"
- From June 2010 - November 2010  
**Network Protocol Analyzer,**  
**Responsibility:** Took charge of datagram collection and analysis, using C and Winpcap.  
**Project Description:** A desktop application which can collect datagram from network adapter and analyze the protocol and information of layers.

### **Developing Skills**

Be familiar with:

Spring, Spring MVC, iBatis, Oracle, JavaScript, jQuery and Python.

Have a Knowledge of :

TDD, Scrum, Design patterns, git, JUnit, Cucumber, SQL, MySQL, testtools, OpenStack, Django, KVM, HTML5(Websocket).