

YIFAN LI

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INDUSTRY EXPERIENCE

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- “AWIPS System Plug-in Development”, Government Contractor for NOAA Sept 2013- Current
- Debugged BuisnessManager.java so that make it more efficient, from $O(N^2)$ to $O(N)$
 - Used Spring and Hibernate to handle beans and connect to database
- “Patients data UP”, Cerner Corp. May-June 2013
- Used JUnit, Mockito and PowerMock for unit-testing and mocking. Utilized Eclipse+Maven for building the environment, and VMWare Cloud to access the environment
 - Doing daily SCRUM meetings

EDUCATION

Columbia University, Fu Foundation School of Engineering and Applied Science New York, NY
MS in Computer Science Sep 2011- Feb 2013

Relevant Coursework:

Analysis of Algorithms	Advanced Programming(audit)
Operating System	Advanced Software Engineering

Beijing University of Posts and Telecommunications, International School Beijing, China
BS in Computer Science Sep 2007-June 2011
B.S. with 1st class Honor degree

Relevant Coursework:

Java Programming	Software Engineering
C Programming	Internet Protocol

PROJECT EXPERIENCE

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- “Let Me See NYC using Yelp API”, Columbia University Fall 2012
- Using PHP and Yelp API (and others), familiar with software development life cycle
 - Follow the formal design principles, i.e. UMLs, MVC(using Cakephp)
- “Data-retrieve using python”, Columbia University Fall 2012
- Retrieved data from a public web site to answer the queries from user side
- “Linux Kernel development”, Columbia University Fall 2012
- Added Linux Kernel System Calls and implemented read-write lock logic by spin lock and semaphore
 - Injected a Symmetric Multiprocessor Weighted Round-Robin Scheduler to original scheduler framework
- “Artificial Immune System”, Beijing University of Posts and Telecommunications Spring 2011
- Researched a particular computationally intelligent system that mimicked a human immune system
 - Wrote in Java a program to check the existence of a string using the negative and clonal selection
- “Automatic Vending Machine”, Beijing University of Posts and Telecommunications Spring 2010
- Built the software implemented in a vending machine adopting software engineering convention
 - Served as a team leader for three and designed use cases of Specification and their relations

SKILLS

Languages:	Java, C, PHP, HTML, CSS, SQL, etc.
Tools:	Eclipse, Git, Gerrit, Maven, Postgres, etc.
Operating Systems:	RHEL, Windows, Mac OS X.