**YIFAN LI**

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**INDUSTRY EXPERIENCE**

“AWIPS System Plug-in Development”, Government Contractor for NOAA Sept 2013- Current

* Debugged BuisnessManager.java so that make it more efficient, from O(N2) to O(N)
* Used Spring and Hibernate to handle beans and connect to database

“Patients data UI”, 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

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| *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

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| *Relevant Coursework:* | Java Programming | Software Engineering |
|  | C Programming | Internet Protocol |

**PROJECT EXPERIENCE**

“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**

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