**YIFAN LI**

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**INDUSTRY EXPERIENCE**

“NWR-BMH Development”, Chugach Alaska Corp., Government Contractor for NOAA Sept 2013- Current

* Designed the Database Schemas for National Weather Service-BMH project, using Postgres Database
* Debugged BuisnessManager.java so that make it more efficient, from O(N2) to O(N)

“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**

Master of Science, Computer Science February 2013

Relevant Coursework:

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| Operating System | Analysis of Algorithms in Java | Introduction to Database |
| Programming Language and Translator | Advanced Software Engineering | Advanced Programming |
| Introduction to Unix Command | Mobile Human-Computer Interaction | Database Implementation |

**Beijing University of Posts and Telecommunications(BUPT), International School, China**

Bachelor of Engineering in Telecommunication June 2011

with 1st class Honor degree(top 25%)

Relevant Coursework:

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| --- | --- | --- |
| Programming Fundamentals in C | Object Oriented Design in Java | Internet Protocol |

**PROJECT EXPERIENCE**

“Let Me See NYC website”, Columbia University Fall 2012

* Built the itinerary generating logic and implementated a website on XAMPP
* Implement the Yelp API and SeetGeek API to download and calculate event and restaurant data
* Using UML Modeling and Agile development(pair-programming)

“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 Fall 2010

* Designed and implemented the vending machine system in Java
* Served as a team leader for three and designed UML use cases of Specification and their relations

**SKILLS**

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