YIFAN LI

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EDUCATION

Columbia University, Fu Foundation School of Engineering and Applied Science, New York, NY
Master of Science, Computer Science   December 2012

Relevant Coursework:

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:

Programming Fundamentals in C	Object Oriented Design in Java	Internet Protocol

PROJECT EXPERIENCE

"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

"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)

"Database of Soccer Team", Columbia University   Fall 2011
- Worked on Relation/Entity Diagrams, SQL Schema to manage information about the soccer team
- Implemented the schema in **Oracle**, using **SQL PLUS**: Create Tables, insert tuples, write desired queries

"Lattakia"   Fall 2011
- Built a compact functional language "Lattakia" in a team of four
- Wrote the annotated grammar in the format similar to the C-language-manual
- Tested the Java implementation of the lattice library and decreased running time of the code by 32%

"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

Languages:	C; Java; SQL; JavaScript; PHP; Python; HTML; JSON; VHDL
Tools:	XAMPP, Cakephp, Git
Operating Systems:	UNIX, Windows and Mac OS X

AWARDS

"Best Business Model Winner" Team-winner in 30+ teams on "Devfest" hackathon, Columbia U Spring 2012