# 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

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|---|---|
| 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