**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

**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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| 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 |
| 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 implementation of a website on **XAMPP**
* Implement the Yelp **API** and SeetGeek **API** to download and calculate data
* Designed using **UML Modeling** and tested using **unit testing, and debugging**

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“Kernel developing using Nexus 7”, Columbia University Fall 2012

* Developed in **C** new system calls/kernel data structures of the **Operating System**
* Follow the naming conventions, **Linux** coding style, best practices

“Data-retrieve using python”, Columbia University Fall 2012

• Retrieved data from a CIA to answer the queries from user side

• Self-taught/learned **python** in one week and the query runs 60% faster than using C#

“Database of Soccer Team”, Columbia University Fall 2011

* Worked in team of two on Relation/Entity Diagrams, SQL Schema
* Implemented the database in **Oracle**, using **SQL PLUS**: Create Tables, insert tuples, write desire queries

“Lattakia”, Columbia University 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

“Automatic Vending Machine”, Beijing University of Posts and Telecommunications Spring 2010

* Built the software implemented in a vending through **software development life cycle**
* Served as a team leader for three and designed **UML** **use cases** of Specification and their relations

“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

**AWARDS**

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

**SKILLS**

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| **Lauguages:** | C; Java; SQL; JavaScript; PHP; Python |
| **Tools:** | XAMPP, Cakephp |