YIFAN LI

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EDUCATION

Columbia University, Fu Foundation School of Engineering and Applied Science   New York, NY

| *Relevant Coursework:* | Analysis of Algorithms | Introduction to Database, |
| | Operating System | Advanced Software Engineering |

MS in Computer Science   GPA: 3.08/4   Expected December 2012

Beijing University of Posts and Telecommunications, International School   Beijing, China
Queen Mary, University of London   London, U.K
BS in Telecommunications and management (Joint Program)   GPA: 3.28/4   June 2011
B.S. with 1st class Honor degree

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

PROJECT EXPERIENCE

"Database of Soccer Team", Columbia University   Fall 2011
- Created a database of player information for a fictional football team
- 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

"Programming Language Project-Lattakia", Columbia University   Fall 2011
- Built a compact functional language "Lattakia" in **OCaml**, based on the idea of lattice
- Wrote the annotated grammar in the format similar to the C-language-manual

"Hybrid Floating-Point Integer Unit"   Fall 2011
- Built a specialized floating-point adder using a top-down RTL design, implemented in **VHDL**
- Optimized the generalized ASM and decreased the original 45 states to 36 of the state diagram

"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 Univerisy 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

INTERNSHIP EXPERIENCE

Data Analyst Intern, Siemens, China   Summer 2010
- Utilized Microsoft Excel to file SUB documents
- Researched into Oracle database

ACTIVITIES & INTEREST

Participated in Devfest 2012, ADI Columbia   Spring 2012
- Worked in a team of four on the project "ResearchMatch," named "Best Business Model" winner
- Persuaded the professors to put their projects' information on our website: Award winning website

Member of IET(The Institution of Engineering and Technology)   Fall 2007-Present

SKILLS

| **Proficient with:** | C |
| **Familiar with:** | Java, Python, SQL |