**YIFAN LI**

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**EDUCATION**

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

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| *Relevant Coursework:* | Analysis of Algorithms | Advanced Programming(audit) |
|  | Operating System | Data Structure and Algorithms(audit) |

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

**Beijing University of Posts and Telecommunications, International School** Beijing, China

BS in Electrical Engineering GPA: 3.28/4 June 2011

B.S. with 1st class Honor degree

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

**PROJECT EXPERIENCE**

“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

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

* Developed new system calls/kernel data structures to play with kernel
* Follow the naming conventions, **linux** coding style, best practices

“Let Me See NYC using Yelp API”, Columbia University Fall 2012

* Using PHP and Yelp API (and others), familiar with **software development life cycle**
* Follow the formal design principles, i.e. UMLs, MVC(using Cakephp)

“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

“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 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**

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

**SKILLS**

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