**YIFAN LI**

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**Graduate Study**

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

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| *Relevant Coursework:* | Analysis of Algorithms | Introduction to Database, |
|  | Introduction to Unix | Programming Language and Translators |

MS in Computer Science Expected December 2012

**PROJECT EXPERIENCE**

“Hybrid Floating-Point Integer Unit” Fall 2011

* Built a specialized floating-point adder using a top-down RTL design
* Optimized the generalized ASM and decreased the original 45 states to 36 of the state diagram
* Synthesized FSM using Altera Quartus to implement FPGA in VHDL code for simulation
* Designed the burst-mode asynchronous controller using the minimalist CAD(Computer Aided Design)

“Database of Soccer Team” 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 it in **Oracle**, using SQL PLUS: Create Tables, insert tuples, write desire queries

“Programming Language Project-Lattakia” 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

**Undergraduate Study**

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

BS in Telecommunications and management (Joint Program) June 2011

B.S. with 1st class Honor degree, QUEEN MARY, UNIVERSITY OF LONDON

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

**PROJECT EXPERIENCE**

“Artificial Immune System” 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” 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**

**Siemens**

*Data Analyst Intern*  Summer 2010

* Utilized Microsoft Excel to file SUB documents
* Maintained company’s database using Oracle software

**ACTIVITIES**

**Devfest 2012** Spring 2012

* Built the website based on **Heroku**, to help students and professors match their projects
* 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](http://devfest.herokuapp.com/)

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

**SKILLS**

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| **ProgrammingLanguages:** | C, Java, JavaScript, SQL, Ocaml, Git |
| **Applications:** | Eclipse, Oracle SQL Server, Visual Paradigm |