YIFAN LI

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Graduate Study

Columbia University, Fu Foundation School of Engineering and Applied Science New York, NY
MS in Computer Science Expected December 2012
Relevant Coursework:

Analysis of Algorithms	Introduction to Database,
Introduction to Unix	Programming Language and Translators

AWARD

Best Business Model, 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 project's information on our website: Award winning website

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
- Design the burst-mode asynchronous controller using the minimalist CAD(Computer Aided Design)

"Database of Soccer Team" Fall 2011

- Created a database of fictional football team with attributes like
- 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
Queen Mary, University of London London, UK
BS in Telecommunications and management in **both schools** June 2011
Relevant Coursework:

Java Programming	Software Engineering
C Programming	Internet Protocol

PROJECT EXPERIENCE

"Artificial Immune System" Spring 2011

- Researched a particular computationally intelligent system for undergraduate project
- 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

SKILLS

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