YIFAN LI

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EDUCATION

Columbia University, Fu Foundation School of Engineering and Applied Science New York, NY
MS in Computer Science Expected December 2012
MS in Electrical Engineering December 2011

Beijing University of Posts and Telecommunications, International School Beijing, China
University of London, Queen Mary, London, U.K.
BS in Electrical Engineering June 2011

Relevant Coursework:

Introduction to Database	Advanced Logic Design
Analysis of Algorithm I	Introduction to Unix
Database implementation	Mobile Human-Computer Interaction
Software Engineering	Java Programming
Enterprise Management	Programming Fundamentals (C Programming)

INTERNSHIP EXPERIENCE

Siemens Beijing, China
Data Analyst Intern Summer 2010
- Utilized Microsoft Excel to keep SUB document in file
- Mastered the operation of Oracle software to maintain the company's database

PROJECT EXPERIENCE

Columbia University New York, NY
"Database of Soccer Team" Fall 2011
- Created a database of player information for a fictional soccer team
- Worked in team of two on Relation/Entity Diagrams, SQL Schema
- Implemented it on Oracle, using SQL PLUS: Create Tables, insert tuples, write desire queries

"Report on Automatic Predicate Abstraction of C programs" Fall 2011
- Gave an informal one hour talk on Alfred V. Aho's class about the "most influential PLDI paper"
- Prepared report paper and presented technical details of SLAM to class on second talk

"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

Beijing University Beijing, China
"Automatic Vending Machine" Spring 2010
- Served as a team leader for three and designed use cases of Specification and their relations
- Obtained the graphical presentation of use case employing Visual Paradigm
- Programmed 527 lines of code in java and tested them

"Artificial Immune System" Spring 2010
- Researched the particular computationally intelligent system for undergraduate project
- Wrote a java program of 835 lines of code adopting negative and clonal selection method
- Analyzed the running time and defended my thesis on final presentation

ACTIVITIES

Columbia University New York, NY
"Devfest 2012 by Application Development Initiative (ADI)" Spring 2012
- Worked in a team of four on the project "ResearchMatch", the "Best Business Model" winner

SKILLS

Languages: C, Java, JavaScript, SQL
Technologies: Eclipse, Oracle SQL Server, Visual Paradigm, Altera Quartus