

# YIFAN LI

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## Graduate Study

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<b>Columbia University, Fu Foundation School of Engineering and Applied Science</b>		New York, NY
MS in Computer Science		Expected December 2012
<i>Relevant Coursework:</i>	Analysis of Algorithms Introduction to Unix	Introduction to Database, 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 projects’ 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
  - 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

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<b>Beijing University of Posts and Telecommunications, International School</b>		Beijing, China
<b>Queen Mary, University of London</b>		London, UK
BS in Telecommunications and management in both schools		June 2011
<i>Relevant Coursework:</i>	Java Programming C Programming	Software Engineering 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

## SKILLS

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<b>Programming Languages:</b>	C, Java, JavaScript, SQL, Ocaml, Git
<b>Applications:</b>	Eclipse, Oracle SQL Server, Visual Paradigm