

# YIFAN LI

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## EDUCATION

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

*Relevant Coursework:* Analysis of Algorithms Introduction to Database,  
Introduction to Unix Programming Language and Translators  
MS in Computer Science GPA: 2.92/4 Expected December 2012

**Beijing University of Posts and Telecommunications, International School** Beijing, China  
**Queen Mary, University of London** London, U.K.  
BS in Telecommunications and management (Joint Program) GPA: 3.28/4 June 2011  
B.S. with 1st class Honor degree

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

## PROJECT EXPERIENCE

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

“Programming Language Project-Lattakia”, Columbia University 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

“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

“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 Univerisy 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

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*Data Analyst Intern*, Siemens, China Summer 2010

- Utilized Microsoft Excel to file SUB documents
- Researched into Oracle database

## ACTIVITIES & INTEREST

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Participated in Devfest 2012, ADI Columbia Spring 2012

- 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](#)

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

## SKILLS

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**Proficient with:** Java  
**Familiar with:** C, SQL, Git