**YIFAN LI**

180 Claremont Ave #44, New York, NY 10027 • 917-514-3342 • yl2774@columbia.edu • [www.columbia.edu/~yl2774](http://www.columbia.edu/~yl2774)

**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](http://devfest.herokuapp.com/)

**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 |