

YIFAN LI

519 West, 121st Street, New York, NY 10027 • 917-514-3342 • yl2774@columbia.edu • www.columbia.edu/~yl2774

EDUCATION

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

Relevant Coursework: Analysis of Algorithms Advanced Programming(audit)
Operating System Advanced Software Engineering
MS in Computer Science GPA: 3.08/4 Expected December 2012

Beijing University of Posts and Telecommunications, International School Beijing, China
BS in Electrical Engineering 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

“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

“Kernel developing using Nexus 7”, Columbia University Fall 2012

- Developed new system calls/kernel data structures to play with kernel
- Follow the naming conventions, linux coding style, best practices

“Let Me See NYC using Yelp API”, Columbia University Fall 2012

- Using PHP and Yelp API (and others) to develop a “tourist” web application
- Follow the formal design principles, i.e. UMLs, MVC(using Cakephp)

“Database of Soccer Team”, Columbia University Fall 2011

- 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

“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 University 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

Data Analyst Intern, Siemens, China Summer 2010

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

ACTIVITIES & INTEREST

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

SKILLS

Proficient with: VHDL, C, Java
Familiar with: Javascript, Python, SQL