Yifan Li

SUMMARY

- Master's degree in Computer Science from Columbia University
- Extensive experience in J2EE development
- Hard-working self-starter

TECHNICAL SKILLS

Programming:	Java, Python, C, R, PHP, HTML/CSS, SQL
Tools:	Eclipse, Git, Maven, PostgreSQL
Operating Systems:	Linux(RedHat), Windows, Mac OS X

PROFESSIONAL EXPERIENCE

Java Developer, Chugach Alaska Corp., Silver Spring, Maryland
Sep. 2013-Apr. 2014

- Participated in the design of the database schemas for NWS-BMH project(38 tables)
- Improved core Java classes to make the server logic more efficient(one instance from $O(N^2)$ to O(N))
- Injected weather station data to database utilizing Hibernate and Spring
- Wrapped the placeholder BMH code as a Eclipse plugin, to fit into existing plugin system(AWIPSII)

Velocity Software Engineer, Cerner Corp., Kansas City, Kansas
Apr.-Jun. 2013

- Implemented the Patience log-in program in Java utilizing Maven for Eclipse
- Unit tested the final Java Program using JUnit, with Mockito and PowerMock for mocking.

EDUCATION

MS in Computer Science, Feb. 2013
Columbia University, New York, NY
Relevant Coursework:

- Analysis of Algorithms in Java
- Operating System
- Database System
- Unix Command
- Programming Language and Translator
- Advanced Software Engineering
- Database implementation
- Mobile HCI

BS in Telecommunication Engineering with Management, Jun. 2011
Beijing University of Posts and Telecommunications (BUPT), Beijing, China
Relevant Coursework:

- Programming Fundamentals in C
- Object Oriented Design in Java
- Internet Protocol

ACADEMIC PROJECTS

"Data science projects" using Python and R, General Assembly in D.C., Mar. 2014-current

- Forecast sales using linear regression, regularization on Walmart store http://bit.ly/1nc2MQ7
- Performed data prediction and visualization using sklearn, numpy and pandas in Python and ggplot in R

"Let Me See NYC" website using PHP on XAMPP, Columbia University, Fall 2012

- Wrote server-side logic code to retrieve the itinerary information from Yelp and SeetGeek API
- Performed black-box testing and white-box testing before locating and removing the server-side bug

"Data wrangling" using Python, Columbia University, Fall 2012

- Retrieved data of 180 countries from FBI static HTML websites and output result based on queries

"Linux kernel development" using C, Columbia University, Fall 2012

- Added Linux kernel system calls and implemented read-write lock logic by spin lock and semaphore
- Injected a "Symmetric Multiprocessor Weighted Round-Robin" scheduler to original scheduler framework

"Football team DBMS" on Oracle 10g, Columbia University, Fall 2011

- Simulated the operation of football teams and designed the database management system by using entity–relationship model diagrams and SQL schema
- Performed Update and Retrieval jobs on database system using SQL*Plus

"Vending machine system" using Java, BUPT, Spring 2010

- Designed vending machine model by using UML, which required conceptual diagrams, sequence diagrams
- Implemented functions including transaction, stock and security management

AWARDS

Winner of "Best Business Model" from "Devfest 2012" hack-a-thon, Columbia University, Spring 2012

CLEARANCE

Public Trust

REFERENCES

Available upon request