

Siyang(Sara) Wang

(917)808-6562

sw2507@nyu.edu

30 Newport Parkway, APT 609, Jersey City, NJ 07310

Objective

To pursue a summer intern as a Database Engineer or Software Development Engineer

Education

New York University, New York, NY

Expected May 2015

Master of Science in Information Systems, Graduate School of Art and Science GPA **3.90/4.00**

Selected course: Fundamental Algorithm, Data Communications& Networks, Global Economy, Database Systems

Beijing University of Posts and Telecommunications, Beijing, China

Jul 2013

Bachelor of Engineering in Information Security, School of Computer Science

Beijing Coll&Univ. T.C. Coll Rd. Zone, Beijing, China

Jul 2013

Minor Course in Finance, School of International Business

Skills

Programming Languages: C\C++, Java, SQL, shell, python

Database: SQL Server, MySQL, Microsoft Office Access, Oracle

Tools: vs2010, vc6.0, Eclipse, Dreamweaver, Matlab, Office, GNU Tools

Operating System: Windows, Linux, Mac OS X

Experience

Tsinghua National Laboratory for Information Science and Technology *Mar 2012 – Mar 2013*

Research Intern

Research in centralized and semi-automatic system for VLAN management strategy

Designed router automatic collocation method and mass data extraction analysis algorithm

Designed data collection method and analyst strategy based on CERNET

Completed paper CSS-VM: A centralized and semi-automatic system for VLAN management, IM 2013

Key Lab. of Trustworthy Distributed Computing and Service (BUPT)

Mar 2011 – Jun 2013

Research Intern and Teaching Assistant

Research in ciphertext data retrieval method based on cloud storage

Investigated the mainstream encryption algorithms in database and the problems existed

Designed a three-step retrieval strategy and modified modules of 'Nutch' to implement the designed schema

Designed 'Nutch' based search experiment and facilitated experiment recitation for Modern Retrieval Technology course for 120 on-the-job graduate students (three mini-terms), instructed by Professor Cong Wang

Completed paper A Ciphertext Data Retrieval Method Based on Cloud Storage, published by ISCTCS 2012

Information Center, Tourism Administration of Dalian, Dalian, China

Jul 2010 – Aug 2010

Information Management Consultant

Responsible for supervision of network server, tackled abnormal events occurring on the network

Improved the page design of Dalian Tourism Administration Website

Academic Projects

A BitTorrent-like File Transfer Application

Dec 2013

Implemented a file transfer application, which is able to search for peers and downloads/uploads file with flow control relying on BitTorrent-like protocol

A Security Middleware System Based on Openssl

July 2012

Investigated the encryption technique used in Openssl and designed the basic construction and interface of security middleware system aiming at encrypting and decrypting files and character strings with five group members

Safety Communication Software Based on Android

Sep 2011

Investigated encryption method on safety transmission, realized privacy key management policy using DES

Designed user interface and implemented communication interface

A Scientific Center Website

Jul 2011

Designed the website page and backend database with the function of log in, file uploading and posts

Implemented JSP interface to realize the function above

Honors

Merit Minister of Students' Union, the School of Computer Science, BUPT

Citibank young talent program