**Zhiyang Xia**

Mobile: 13918597797 E-Mail: 416782738@qq.com

# Career Objective

Software Developer

# Education

## Shanghai Jiaotong University (SJTU)

## *Information Security, Junior year*

* GPA 3.7/4.3
* Major Courses:

C、C++、Algorithms、Computer organization and architecture、

Computer Networks、Operating System、Compiler

* Honors and Rewards :

2012-2013 SJTU Scholarships Grade A

2013-2014 SJTU Scholarships Grade B

2012 SJTU Merit Student

2012 SJTU Freshman Scholarship

* Experience Of Leader:

Moniter

# Professional Experience

## Security and privacy research in big data

## Member, Sep 2014 – present

* Establish a platform for secure nearest neighbor search in Location Based Service(LBS)
* Accomplish the platform based on the data structure of R-Tree (C++)

## detection of the correctness of usbkey’s encryption algorithm

## Team Leader, Sep 2013 – Mar 2014

* Detect the correctness of the encryption algorithm of USBKeys currently available in market, relying on the Standard of Intelligent IC card and USBKey issued by The State Encryption Administration.
* Design the algorithm and the process of detection, and code.

## Course Design

* Mathematical Foundations in Information Security：

Android + JAVA: S-Box linear analysis in AES

Windows + Python: Public Key Cryptographic Systems by RSA

* Computer Networks：

Windows + C#: Sniffer

* Compiler：

Ubuntu：text processing by Lex

* C++：

Windows：Web Log analysis

# Additional Skills

* C、C++、Python、JAVA
* CET-6 554