

JIE FENG

(443) 996-2046 • jiefeng.hopkins@gmail.com • www.i-feng.org • 3501 St. Paul St. Apt. 736, Baltimore MD 21218

EDUCATION

The Johns Hopkins University Baltimore MD, U.S.A.

Dec 2014

Master of Science in Security Informatics GPA: 3.31/4.00

- Student membership of *Association for Computing Machinery, Member of JHUACM*

Soochow University Suzhou, China

Jun 2013

Bachelor of Engineering

GPA: 3.30/4.00(Major:3.73)

- **National First Prize(8th/126)**, "*Lanqiao Cup*" National Software Designing Contest(Java), *Beijing China*, 2011
- **National First Prize(24th/932)**, "*Lanqiao Cup*" National Software Designing Contest(C/C++), *Beijing China*, 2012
- **Bronze Medal**, ACM-ICPC Asia Regional Contest, *Tianjin China*, 2012
- **Coach Awarding**, ACM-ICPC Asia Regional Contest, *Tianjin China*, 2012
- **Meritorious Winner**, Mathematical Contest in Modeling, *U.S.A*, 2011
- **National Winning Prize**, National Information Security Contest for College Students, *Zhenzhou China*, 2012
- **"Excelent Graduate"** of Soochow University, *Suzhou China*, 2013

PROFESSIONAL EXPERIENCE

Soochow University - CS Department Suzhou China, 2012-2013

Student Algorithm Lecturer&Coach

- Prepared and delivered algorithm courses to students(mainly freshman and sophomore) once a week, concentrated on data structures, dynamic programming, graph theory and number theory.
- Managed the *ACM-ICPC* team of *Soochow University*. Responsible for leading the team hacking algorithm challenges, preparing the team for algorithm contests, holding algorithm talks and selecting new members.

Suzhou Ruiyi Information Technology, Inc. Suzhou China, 2012

Web Developer, Android Developer

- Involved in designing the interface for an Android App which can be used to find housing information.
- Developed scrips to crawl data from the Internet and to process the data into required structure.

Yangzhou University - Information Center Yangzhou China, 2011-2012

Database Manager

- Responsible for Oracle 9i maintenance on Windows NT and MySQL maintenance on Ubuntu Server.
- Database creating and tuning. Set up backups, import, export, and other monitoring scripts.
- Managed database security. Designed and developed automated data backup and restoration procedures.

PROJECT EXPERIENCE

(~ \Rightarrow <https://github.com/hophacker>)

Searchable Cryptographic Storage System (2012-2013)

Source Code(~/CS2)

- This project implemented a highly efficient cryptographic storage system which guarantees searching, dynamic adding and deleting operations among encrypted data, with friendly interface.

Evaluating existing social network platform-Sina Weibo (2013)

Source Code(~/spcProject)

- Implemented a *distributed* crawler which can crawl more than 6,900,000 rows of user data in one week.
- Evaluated the ability to gather personal information, the prevalence of attacks, and the identification and classification of bad actors/profiles and threats to *Sina Weibo*.

Universal Online Examination System(UOES) (2011-2013)

Source Code(~/universal-online-exam)

- UOES is a web-based examination system built with high stability, friendly interface, secure communication. It has served 40,000+ students and has the ability to support 1,000+ examinees taking exam concurrently.
- UOES provides service to: (1)Examinee: registration, examination taking and practicing, profile management, message posting and information feedback. (2)Manager: time setting, examinee selecting&maintaining, questions importing&maintaining, feedback checking, announcement delivering, monitoring, history viewing, statistic analysing, report generating, etc. Demo(<http://universal-online-exam.com/>)
- Independently designed and implemented a database(20 tables) which strictly conformed to standard normalization forms and naming rules. Source Code(~/universal-online-exam/blob/master/UEOS.sql)
- Combined several most successful web technologies and ideas, including LAMP workflow, CakePHP Framework, Smarty template, KoolPHPSuite, JQuery(UI), JS plugins like WYSIWYG editor, JqGrid.

Hacking Nintendo 3DS Console (2011)

- Reverse engineered key binary code of existing NDS emulator, contributed code to new 3DS emulator.
- Reverse engineered cartridge driver and simulated communication between 3DS console and game cartridges.

"Euler" Math Library - C++ (2013)

Source Code(~/euler)

- "Euler" can help you hack general math problems like calculating the sum of all the factors of a given number.
- "Euler" has an independent *Big Integer Library* which has some awesome functionalities, ex, calculating power.

Algorithm Practicing (2006 - NOW)

Source Code(~/AlgorithmPractice)

- Algorithm practicing is my loved hobby and occupies me a fare amount of time. Currently, I'm using the name "hophacker" constantly attending contests from *Topcoder*, *CodeChef*, *Codeforce*, *hackerrank*, *CodeEval*, etc.

SKILLS

- Excellent algorithm design and implementation skills, with 1500+ pieces of algorithm programs written so far.
- Remarkable experience in using scripting language and writing scripts to maintain Linux server and database.
- Rich experience in implementing *Cryptographic* softwares and exploiting *software vulnerabilities*
- Rich experience in Database Design, Web Design(LAMP workflow, MVC Framework). like *Format String Vulnerability*, *Integer Overflow*, *Return-to-libc*, *SQL Injection*, *XSS*, *CSRF*, *Frame Busting* etc.
- Proficiency in software development with *C/C++*, *Java*, *Scala*, *Bash*, *Vimscript*, *Perl*, *Python*, *PHP*, *JSP*, *Pascal*, *Android*, *Assembly*, *HTML*, *CSS*, *Javascript*, *JQuery*, *Regular Expressions*.
- Proficiency in using *LT_EX*, *MATLAB*, *Vim*, *Emacs*, *Eclipse*, *Netbeans*, *Visual Studio*, *Github*, *IDA Pro*.
- Good knowledge with Cryptography, Security, Algorithm, Data Structures, Network, Operating System.