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   (˜ ⟹ **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).
- 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 *LaTeX, MATLAB, Vim, Emacs, Eclipse, Netbeans, Visual Studio, Github, IDA Pro.*
- Good knowledge with Cryptography, Security, Algorithm, Data Structures, Network, Operating System.