

# JIE FENG

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## 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.
- Independently designed and implemented a database(20 tables) which strictly conformed to standard normalization forms and naming rules.
- Combined several most successful web technologies and ideas, including LAMP workflow, CakePHP Framework, Smarty template, KoolPHPSuite, JQuery(UI), JS plugins like WYSIWYG editor, JqGrid.

Demo(<http://universal-online-exam.com/>)

Source Code(~ /universal-online-exam/blob/master/UEOS.sql)

**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 *LT<sub>E</sub>X*, *MATLAB*, *Vim*, *Emacs*, *Eclipse*, *Netbeans*, *Visual Studio*, *Github*, *IDA Pro*.
- Good knowledge with Cryptography, Security, Algorithm, Data Structures, Network, Operating System.