

Guan Jing

+86 185 1064 9016

■ guanjing@ict.ac.cn

■ <http://jennica.space>

EDUCATION

2015.09 - 2018.07	University of Chinese Academy of Sciences
Computer Architecture	Master
2011.09 - 2015.07	Southwest Jiaotong University
Information Security	Bachelor

EXPERIENCE

2016.06 - 2016.10	Ah Oh Technology (Beijing) Co., Ltd.
PHP Back-end Engineer	
■	Developed achievements card series, points system and online market.
2012.07 - 2013.08	ACM Training Team of SWJTU
Team Leader	
■	Responsible for ACM training team's training and contests.

PROJECTS

2016.09	The Case Study and Implementation of Design Patterns
■	With the help of UML, all the 23 types of design patterns were achieved and compared using C++ and Python. (https://github.com/yogykwan/design-patterns-cpp , https://github.com/yogykwan/design-patterns-py)
2016.06	Design and Implementation of Detection Algorithm for Cache Pollution Attack Based on NFD
■	Based on multiple real machines, a detection algorithm with Bootstrap, Monte Carlo, Chebyshev inequality, Hash and Bitmap was designed and implemented. (https://github.com/yogykwan/NFD , https://github.com/yogykwan/ndn-traffic-generator)
2015.10	Multi-user Chat Tool Based on Socket Programming
■	With Python and Qt, a multi-user chat visualization software was developed. Features included nickname, friends, video, unicast/multicast modes. (http://www.jianshu.com/p/21a045fab6b7)
2015.03	Design and Implementation of Wireless Full-duplex MAC Queue Scheduling Based on NS-3
■	In the NS-3 platform, a wireless full-duplex queue scheduling algorithm with MAC layer was designed and implemented, which improved the network throughput and fairness. (http://jennica.space/2015/02/04/fdwifi-mac/)
2014.06	Authentication and Detection Based on Fragile Watermarking Algorithm
■	Fragile watermark certification testing software was developed in Python. It could carry out image legitimacy detection, and repair the defective image. (https://github.com/yogykwan/wmbmp-edb)
2014.05	Personal Website Mainly Composed of Blogs and Web Applications

- Based on Jekyll, a personal website was developed with Html, Markdown, Javascript Web applications like challenge games. (<http://jennica.space>)

2014.05	Steganography Software Based on F3, F4, F5 Algorithms
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- Developed in Python, secret information could be hidden into the pictures, and only legitimate personnel could decode and read. (<https://github.com/yogykwan/f5jpg-edb>)

2014.03	Text Encryption and Decryption Software Based on DES Algorithm
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- A text encryption and decryption visualization software was written in C++ and MFC. Users could encrypt string or file via graphical interface. (<https://github.com/yogykwan/destxt-edb>)

HONORS

2013.12	ACM International Student Program Competition Tonghua Division Silver
2013.10	National Scholarship of 2012-2013
2013.09	ACM International Student Program Competition Chengdu Division Silver
2013.06	"Lan Qiao" National Software Design Competition First Prize
2012.10	National Scholarship of 2011-2012
2012.05	National College English Contest First Prize

CERTIFICATES

Cisco	CCNA Security &CCNP
Toefl	103

HOBBIES

Interpretation
Japanese
Marathon
Taekwondo
Badminton