Guan Jing

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EDUCATION

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

- With multiple real machines, a detection algorithm with Bootstrap, Monte Carlo, Chebyshev, Hash and Bitmap was 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 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

- 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

- 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