Jing Guan

Software Engineer

+86 185 1064 9016
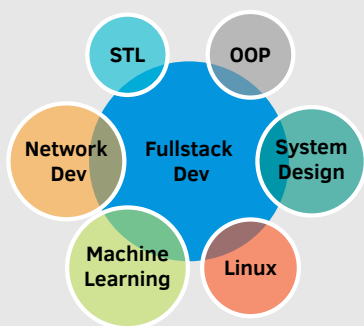
http://jennica.space/

https://github.com/yogykwan

guanjing@ict.ac.cn
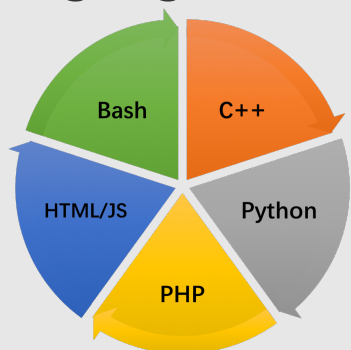
Skills

Interests

Software Engineering

System Architecture

Fullstack Development

Data Science

Languages

Experience

Jun 2016 - Oct 2016

PHP Back-end Developer   Ah Oh Technology (Beijing) Co., Ltd.

- Developed card, point, prop, shop systems using PHP and MySQL
- Remodelled system architecture and improved performance using Nginx and Memcache
- The number of users increased from 1,000 to 10,000

Mar 2015 - Present

Graduate Research Assistant   The Institute of Computing Technology of CAS

- Designed and implemented a wireless full-duplex queue scheduling algorithm of MAC layer on NS-3 platform, which improved the throughput and fairness
- Implemented a detection algorithm for DDoS using Bootstrap, Monte Carlo, Chebyshev, Hash and Bitmap on NFD platform with several real machines

Projects

Sept 2013 - Jul 2014

Encrypt and Decrypt Bit   Information Security

- Developed a text encryption and decryption software based on DES in C++ and MFC, which encrypted string or file through graphical interfaces
- Developed a steganography software based on F3, F4, F5 Algorithms in Python, which hid secret into the pictures for legitimate users to extract
- Developed an authentication and detection software based on fragile watermarking algorithm in Python, which authenticated images and repaired defective ones

Jun 2014 - Present

Personal Website   Fullstack Web Development

- Built a personal blog site using HTML, CSS and JS based on Jekyll
- Developed one-page web applications like challenge game
- Designed a back-end management system, and offered APIs for front-end to signup and signin via REST packets

Education

2015 - 2018   **Master, Computer Architecture**   University of Chinese Academy of Sciences
Haidian, Beijing, China
Current GPA: 3.33/4

2011 - 2015   **Bachelor, Inforemation Security**   Southwest Jiaotong University
Chengdu, Sichuang, China
GPA: 3.46/4.0, Top 3%

Honors

2012 - 2014   **ACM International Student Program Competition**   2 Silver, 2 Bronze

2012 - 2013   **National Software Design Competition**   2 Frist Prize

2012 - 2013   **National Scholarship**   2 Consecutive Years

2012 - 2013   **National College English Contest**   1 First Prize, 1 Third Prize