

Jing Guan

Software Engineer



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<http://jennica.space/>

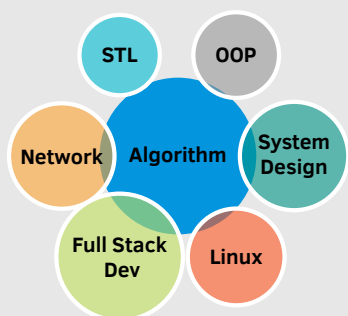


github.com/yogykwan



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Skills



Interests

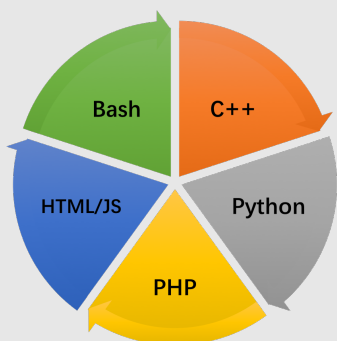
Software Engineering

System Architecture

Full Stack Development

Big Data

Languages



Experience

Jun 2016 -

Sept 2016

PHP Backend Developer

Ah Oh Technology (Beijing) Co., Ltd.

- Developed card, point, prop, shop systems using PHP and MySQL
- Upgraded system architecture using Nginx and Memcache
- Increased number of users from 1,000 to 10,000

Mar 2015 -

Present

Graduate Research Assistant

The Institute of Computing Technology of CAS

- Implemented a wireless full-duplex queue scheduling algorithm of MAC on NS-3 platform, which improved 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

Jun 2016 -

Present

Geek News

Full Stack Hybrid App

- Developed like and comment plugin APIs using Python and MongoDB for others blog websites
- Developed user authentication and authorization system using OAuth2
- Developed hybrid blog push app using Ionic, Angular and Express, users could like, comment and add blogs to favorite

Mar 2015 -

Jan 2016

Hot STL

Supplementary C++ STL

- Built avridged version of containers like vector, list, deque, set, map
- Implemented algorithms like find, replace, remove, sort, unique
- Added new components like bloomfilter, bitmap, ACM algorithms

Sept 2013 -

Jul 2014

Encrypt and Decrypt Bit

Information Security Suite

- Developed a text encryption and decryption software based on DES in C++ and MFC, which encrypted file through graphical interfaces
- Developed a steganography software based on F3, F4, F5 Algorithms in Python, which hid secret into the pictures
- Developed an image authentication software based on fragile water-marking in Python, which authenticated and repaired images

Honors

2012 - 2014

ACM International Student Program Competition

2 Silvers, 2 Bronzes

2012 - 2013

National Software Design Competition

2 First Prizes

2012 - 2013

National Scholarship

2 Consecutive Years

2012 - 2013

National College English Contest

1 First Prize, 2 Third Prizes

Education

2015 - 2018

Master, Computer Architecture

University of Chinese Academy of Sciences

Current GPA: 3.33/4

2011 - 2015

Bachelor, Information Security

Southwest Jiaotong University

GPA: 3.46/4.0, Top 3%