Jing Guan

Software Engineer



http://jennica.space/

github.com/yogykwan

guanjing@ict.ac.cn

Skills



Interests

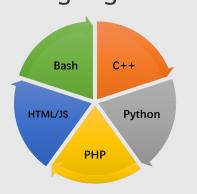
Software Engineering

Full Stack Development

Web System Architecture

Data Science

Languages



Experience

July 2017 -Sept 2017

Software Engineering Intern

Google Inc.

- Figured out distribution pattern of book's metadata using Flume C++
- Designed algorithm to discover relationship between books and mapped relationship

Jun 2016 -Oct 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 sytem 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 abridged 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 software based on DES in C++ and MFC
- Developed a steganography software based on F5 in Python
- Developed an image authentication software based on fragile watermarking 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

Education

2015 - 2018 Master, Computer Architecture University of Chinese Academy of Sciences

2011 - 2015 Bachelor, Information Security

Southwest Jiaotong University

1 First Prize, 2 Third Prizes