

BO SONG

1600 Amphitheatre Pkwy, Mountain View, CA 94043

Email: songbo.sunny@gmail.com

Personal Website: www.bo-song.com

Last updated: August 31th, 2016

WORK EXPERIENCE

Software Engineer

Google Inc.

July 2016 - Present
Mountain View, CA, USA

- Built wireless planning tool in Google Fiber.
- Responsible for website frontend/backend design and implementation. (AngularJS, Go)

Software Engineer - Intern

Netease Inc.

Mar. - May 2015
Hangzhou, China

- Developed an antique auction App named Netease Auction, which integrates chatting, bidding and paying services.
- Responsible for database design and restful web API design at server-end.(SQL, HTTP)
- Encapsulated the Push Notification Service provided by Netease.
- Implemented the server logic using Spring MVC.(Nginx, Tomcat, Linux)

EDUCATION

Master of Science in Computer Science

Yale University

Sep. 2015 - May 2016
New Haven, CT

Bachelor of Engineering in Computer Science & Technology

Chu Kochen Honors College

Zhejiang University: C Programming Language(A), Data Structures(A)

GPA: 3.92/4.00 Ranking: Top 2% among 219 students Award: National Scholarship

Sep. 2011 - Jun. 2015
Hangzhou, China

Undergraduate Exchange Program in Computer Science

University of Hong Kong: Operating Systems(A), Compiling Techniques(A), Computer Networks(A)

GPA: 3.86/4.30

Sep. 2013 - May 2014
Hong Kong

SELECTED PROJECTS

Micro Certified OS Kernel

Term Project

Sep. 2015 - present
Yale University

- Wrote an OS kernel that can run on multicore CPU.(C)
- Implemented kernel features including process management, memory management, concurrency, filesystem and so on.
- Used qemu emulator and gdb to develop and debug kernel.

Smartphone Controlled Quadcopter

Final Year Project

Dec. 2014 - May 2015
Zhejiang University

- Designed and implemented a quadcopter control system based on smartphone.(Arduino, Openwrt, Android)
- Developed an Android App to control quadcopter. It supports both sticks control and gesture control.
- Assembled the quadcopter by hand. It can fly 40 feet high, 10 minutes long and record aerial video during the flight.

Movie Recommending System

Machine Learning Project

Aug. - Sep. 2014
Coursera

- Implemented a movie recommending system using collaborative filtering algorithm.(Matlab)
- Extracted training data from *MovieLens 100k* dataset.
- Earned 100% scores in Machine Learning course. Was invited to write quiz questions for the next course session by Coursera team.

TECH STACK

Programming Languages:

JavaScript(AngularJS), Go, C/C++, Java, Python