PEIXIN LI

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OBJECTIVE

Seeking a full-time Software Engineer Position

EDUCATION

University of California, San Diego Sept. 2015 - Mar. 2017(expected)
MS in Computer Science

Peking University, Beijing, China Sept. 2011 - June. 2015
BS in Microelectronic

WORK EXPERIENCE

SOHU (Software Engineer full-time Internship) June. 2016 - Sept. 2016
Sohu(www.sohu.com), the largest web portal in China

- Implemented a search system for internal network. It can be used to search for the data by the product managers for marketing analysis. It also supported exporting the data into Excel, filtering the data by area, site and date, and drawing graph from the chosen data.
- Building a real-time data display website shown on the TVs of SOHU KUAIZHAN department. It displays the real-time data (number of online user, pv uv, total revenue) on different kinds of charts such as map graph, bar graph, ect.

PROJECTS

Distributed File System and RMI implementation Apr. 2016 - June. 2016

- Implemented a storage server with ability to operate files. It also supported concurrent request and locking mechanism.
- Implemented a naming server which sent requests to storage server and supported auto replication of files that have higher read frequency.
- Built a distributed file system using storage and naming server in Docker environment

User-level Thread Package implementation Feb. 2016 - Mar. 2016

- Used C to build a user-level thread simulator. Implemented basic functions, such as spawn, yield and schedule, to support active threads executing certain functions.

LLVM Optimization and Analysis for Compiler Backend Sept. 2015 - Dec. 2015

- Designed and implemented a three -layer mechanism to analyze and optimize the program based on LLVM in C++
- Implemented Constant Propagation, Available Expresssion, Range Analysis and Pointer Analysis n elimination.

SKILLS

Languages

- C/C++ · JavaScript · HTML · CSS · Python · SQL

Platform • Framework

- Git · Vim · Unix/Linux · Matlab · Atom · jQuery