Jinpeng (Koby) Bi

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Code examples: https://github.com/bikoby/myCSWork

OBJECTIVE

Looking for a job opportunity as Software Engineer (New Grad). I would like to start as an intern if necessary.

EDUCATION

University of San Francisco

Degree: Bachelor Degree   Expected Graduation: May 2015
Major: Computer Science   GPA: Overall – 3.76; Major – 3.86

RELEVANT EXPERIENCE

Operating System – University of San Francisco (Course Work)   **(Aug 2014 – Dec 2014)**
- Collaboration with teammates to modify and improve the Pintos Operating System in C.
- Create a user-level memory allocator in the Pintos Operating System.
- Implement a system alarm clock for thread sleep, priority scheduler and advanced scheduler for multi-threads.
- Improve memory management in the Pintos Operating System to support virtual memory.

Teaching Assistant – University of San Francisco   **(Aug 2014 - Present)**
- Work as TA for Peter S. Pacheco in his *Introduction to Parallel Computing* and *Computer Architecture*.
- Write scripts to test and grade students' homework and projects.
- Hold office hours each week to answer students' questions.

Search Engine – University of San Francisco (Course Work)   **(Aug 2013 – Dec 2013)**
- Traverses 50 websites embedded within a given URL and stores information associated with the websites.
- Supports multiple users with registration, login/logout, search history, and themes changes.
- Stores all related information through database encryption with MySQL.
- Front end is written by HTML and back end is supported by jetty servlet with multi-threading.

Teaching Assistant – University of San Francisco   **(Aug 2013 – Dec 2013)**
- Work as TA for Alark P. Joshi in his *Introduction to Computer Science II*.
- Grade students' quizzes, homework and projects.
- Hold office hours each week to answer students' questions.

Movie Rating System – University of San Francisco (Course Work)   **(April 2013 – May 2013)**
- Read and store both movie and user information from a separate file.
- Finds similar users based on similar rankings from movies watched by both users.
- Recommends movies to a user based on similar users.

RELEVANT COURSE WORK

2013 Fall   Software Development, Introduction to Parallel Computing.
2014 Spring   Data Structure & Algorithms, Computer Architecture, Computers and Society: Privacy and Security.
2014 Fall   Operating System, Senior Team Project, Automata Theory
2015 Spring   Raspberry Pi OS Development

SKILLS

- Programming Experience: C, Java, HTML, MySQL, Python.
- Software: Eclipse, Xcode.
- Operating System: Mac OS, Ubuntu.
- Repository: Github, SVN.