Jinpeng (Koby) Bi

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Github Repository: https://github.com/bikoby/myCSWork

EDUCATION

University of San Francisco   **Aug 2012 – May 2015**

    Degree: B.S. Computer Science
    Major GPA: 3.86

Programming Languages

- C
- MySQL
- Java
- Python
- HTML
- Assembly

EXPERIENCE

Teaching Assistant – University of San Francisco   **Aug 2013 – May 2015**

- *Introduction to Parallel Computing* and *Computer Architecture* for Peter Pacheco
- *Introduction to Computer Science II* for Alark Joshi
- Held office hours on a regular basis and provided assistance with students' assignments and, wrote scripts to grade these assignments.

Tutor – University of San Francisco Computer Science Department   **Jan 2015 – May 2015**

- Held office hours on a regular basis, and assisted all students with any questions regarding: Java, C or Python.

COURSE WORK

Operating Systems - Pintos   **Aug 2014 – Dec 2014**

- Collaborated with teammates to modify and improve the Pintos Operating System in C by adding more functionality onto it, like virtual memory, file system and etc.
- Implemented a system alarm clock for thread operations as well as created a priority scheduler and advanced scheduler for multiple threads.
- Improved Pintos Operating System memory management to support virtual memory.

Senior Project - Simon Says   **Aug 2014 – Dec 2014**

- Collaborated with teammates to build a game to rehabilitate patients with arm muscle issues.
- Used Simon Says game as the prototype for the design, and built it using Ogre Visual Studios in C++.
- Developed input from Kinect using hand motion to interact with the virtual hand on the screen.

Software Development - Search Engine   **Aug 2013 – Dec 2013**

- Support multiple users with registration, login/logout, search history, and theme change functionalities.
- Stored all related information through database encryption with MySQL.
- Front end is written in HTML, and backend is a multithreaded Jetty Servlet.

Introduction to Computer Science - Movie Rating System   **Jan 2013 – May 2013**

- Read and store movie and user information.
- Find similar users based on similar rankings of movies watched by both users.
- Recommends movies for a user based on the ranking of similar users.

SKILLS

- Software: Eclipse, X-Code.
- Operating System: OS X, Linux.
- Revision Control Systems: Github, SVN.
- Languages: English, Mandarin, Cantonese