Bum Soo Kim

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Education

University of Colorado, Boulder   Boulder, CO
Bachelor of Arts and Sciences, Computer Science   August, 2020
Relevant Coursework: Algorithms, Computer Systems, Data Structures, Data Systems, Fundamentals of HCI, Operating Systems, Principles of Programming Languages, Software Development Methods and Tools

Experience

University of Colorado, Boulder   Boulder, CO
Undergraduate Research Assistant   June 2019 – July 2020
- Coded an algorithm to evaluate the fairness of a recommender system in Java, which was integrated into a Java library called LibRec
- Implemented a new command that validated the integrity of a configuration file and integrated it into the workflow of librec-auto, a Python wrapper around LibRec

University of Colorado, Boulder   Boulder, CO
Monitoring Administrator   February 2016 – August 2018
- Wrote Ruby scripts that only accepted commits with a valid directory structure and proper syntax whenever someone tried to push their changes upstream
- Wrote Bash scripts to distribute Nagios configuration files to different hosts whenever there was a change in the central git repository
- Created git hosts from scratch using Gitolite

Projects

SHE   Spring 2017
- Created a service through a Ruby on Rails app in a team of 5 for users to pretend to have a girlfriend
- Implemented the UI using SCSS and JavaScript

Super Smash Bros. 4 - Binary Search Tree   Spring 2016
- Wrote a Python script to scrape data from a website with Super Smash Bros. 4 character data
- Implemented a binary search tree in C++ using the character data
- Created a command line interface for the user to navigate the data

What the Bin   Fall 2015
- Made a game using Pygame in which the user tries to match a binary code with its corresponding color

Leadership and Activities

CU Boulder Swing Dance   Boulder, CO
President and teacher   July 2019 – May 2020
- Organized weekly social dances that brought in around 60 to 80 people every week
- Started a swing dance team
- Co-choreographed, and taught a routine to the team
- Prepared and taught swing dance lessons twice a week

Skills & Interests

Technical: C++, Java, Python, Ruby, JavaScript, HTML, CSS, Linux, Bash, Git, Gitolite, Nagios
Language: Fluent in English, Korean, and Spanish
Interests: Rock climbing, and swing dancing