Austin Hunter

Student Seeking Computer Science Internship

Personal Info

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Skills/Strengths

Programming languages: Java, C

Operating Systems: Windows (95, 98, 2000, XP, Vista), Mac OS, Linux

Software: Microsoft Word, PowerPoint, Excel, Adobe Photoshop

Data Structures

Algorithms

Programing Logic

Communication/Leadership

Objective

Obtain an internship opportunity that will allow me to utilize my problem solving skills and attention to detail to further develop my abilities in the field of computer science.

Education

2015 - present

Boise State University, Computer Science Undergraduate

Bachelor's Degree 12/2019
GPA: 3.338 on a 4.0 scale

Relevant Coursework

CS 321 - Data Structures (Java)

CS 253 - Intro to Systems Programming (C)

ECE 230 - Digital Systems

CS 230 - Ethical Issues in Computing

CS 221 - Computer Science II (Java)

CS 121 - Computer Science I (Java)

Notable Projects

Priority Queue Using a Max-Heap

The program implemented a priority queue using a max-heap built from an ArrayList contained of Process objects. Using the compareTo method, the processes are compared and organized in a greatest to least fashion. I really enjoyed working on this project and getting more familiar with the idea of both a min-heap and a max-heap data structure.

Cache Implementation Using Linked List Data Structure

The cache program scans through a file and uses a linked list cache implementation to check for copies of data items. If a data item has a copy in the cache, an application can read this data item from the cache directly. I found this project challenging yet worthwhile once I fully understood how data can be stored in both the 1st-level cache and a 2nd-level cache.

Analysis of Algorithms

This program analyzed the runtime growth rates of multiple searching and sorting algorithms. This project gave me a deeper understanding of the growth of functions and asymptotic notations.

Doubly Linked List with List Iterator

This program used a doubly linked list implementation as well as a fully functional iterator. This project provided me with a solid foundation for traversing, inserting and deleting nodes in open and circular doubly linked lists.

Work Experience

2017-08 - 2018-01

Climbing Gym Manager

Boise State Outdoor Program
-Supervised all operations of the climbing gym
-Managed schedules and communication with the public
-Taught belay and lead classes

2014-05 - 2016-08

Recreational Leadership Team

El Dorado Hills Community Services District
-Participated in the planning and implementation of summer camp programs
-Lead group activities, curriculum, and outdoor activities
-Supervised Junior Camp counselors.