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Summary

An undergraduate majoring in computer science aimed at an internship or research opportunity that will allow me to utilize my analytical thinking and creative problem-solving skills. Passionate about adapting the skill from new technologies and thrive on working in a challenging environment. Three years' experience with programming in C++ and fascinated about working on personal projects. Active involvement in Hackathons and coding competitions.

Education

University of Illinois At Chicago, IL	**August 2019 – May 2023**

- Pursuing Bachelor of Sciences in Computer Science **GPA: 3.80/ 4.00**
- Student of Honors college at UIC.
- **Coursework included:** Data structures and Algorithms, Programming with Python, Programming with C++, Programming with MATLAB, Mathematical foundations of computing, Machine organization, Academic Writing

Technical Skills

Languages: C/C++, MATLAB, Python, Java, JavaScript
Software: Microsoft SharePoint, Excel, Access, Word, Outlook, and PowerPoint
Web development: HTML and CSS
Database: My SQL
Operating system: Linux, Windows, and Mac OS

Projects

Open street Maps (Data Structure project)   **November 2020**

- It is similar to a navigation app. Here, we perform the back-end operations of loading the map, building the graph, and computing the shortest weighted path between two points.
- In our case, we're going to navigate between UIC buildings on the East campus. For this implementation, I wrote a custom graph class and an application to execute it.
- The whole program was written in C++.

File Compression (Data Structure project)   **November 2020**

- Here we will build a file compression algorithm that uses binary trees and priority queues.
- The program will allow the user to compress and decompress files using the standard Huffman algorithm for encoding and decoding. We will also use a custom hashmap class.

Autocomplete (Data Structure project)   **October 2020**

- Autocomplete is pervasive in modern applications. As the user types, the program predicts the complete *query* (typically a word or phrase) that the user intends to type.
- Here the autocomplete is an abstract data type that was implemented using dynamic memory allocation and other methods.
- This program also contains unit testing and an application to execute it.
- This Program was written in C++.

DNA (Data Structure project)   **October 2020**

- It is a program that can check the database files for a specific DNA match with a person.
- Here the DNA is a custom abstract data type that was implemented using double linked lists associated with methods that checks and splices the DNA strands to find a match in the database.
- To test this program, I implemented a tests.cpp file that includes all the Google tests, and an application.cpp to execute it.
- This Program was written in C++.

Extra-Curricular Activities & Organizations

- Participated in Google kick start coding competition   **2020**
- Worked as a Volunteer at Vaishnavi Foundation, Hyderabad, India   **2017 - 2019**
- Active member of Association for computing machinery (ACM)   **2020**