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Gohur Ali

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Education

Bothell, WA   **University of Washington**   **Fall 2016-June 2020**

3.81 GPA Annual Dean's List 2016-2017; Annual Dean's List 2017-2018
B.S. in Computer Science & Software Engineering
Currently enrolled in: CSS 430 (Operating Systems), CSS 475 (Database Systems)
Past enrollments: CSS 343 (Data Structures, Algorithms, and Discrete Math II), CSS 490(STCP: Space Operations & Systems Engineering), CSS 360 (Software Engineering), CSS 342 (Data Structures, Algorithms, and Discrete Math), CSS 350 (Management Principles for Computing Professionals), CSS 332 (Programming Issues with OOP Languages), CSS 301(Technical Writing for Computing Professionals)

Projects

Vaccine Database   **July 2018 - Present**

Designing and implementing a database with MySQL for tracking patient, hospital, staff, and vaccine data. Built Object Role Modeling and Logical Data Model diagrams to examine and design pertinent entities for the database.

Shell Terminal for an Operating System Simulator   **June 2018**

Implemented a simple shell for ThreadOS, which is an operating system simulator that is in the process of being fully implemented for CSS 430. The program can take multiple commands and parses commands using specific delimiters that definite the time at which the process should be run.

File Compression/Decompression using Huffman Coding Algorithm   **May 2018**

Implemented a priority queue that holds contents of a text file and creates a Huffman Tree. Using bit manipulation, created a symbol of coded symbols and wrote pertinent information for the encoded file. Wrote a decoder that recreated the original file using a personal implementation of a bit writer.

Treap Implementation   **April 2018**

Implemented a binary search tree with the Treap quality in order to increase the efficiency of insert and lookup performance. Tested performance with unsorted and sorted data using bash scripts and graphed data to visualize run times in Linux.

Experience

Macy's Fine Jewelry   **June 2016-Current**

- Worked as a Jewelry Consultant in the Fine Jewelry Department
- Learned about various intricacies of the jewelry business this includes product knowledge on precious stones, precious metals, and fine watches
- Managed an over a million-dollar inventory on a day to day basis
- Worked with customers on different levels
- Helped and trained new associates within the department
- Improved to be more efficient in our inventory control process

Robot U Teacher's Assistant   **2015-2016**

- Taught 4th Grade students the basics of programming in Lego Mindstorms EV3 Programming Software
- Analyzed and debugged code to aid student understanding of the fundamentals of visual programming
- Supervised and helped students who needed directions on building the robot
- Provided directions and assisted with the predefined project

Mars Electronics, Redmond, WA   **2013-2015**

- Worked as mobile electronics technician
- Directly interacted with customers in diagnosing problems and issues with their electronics devices.
- Worked with senior technician to solve issues related to software and hardware in wide range of devices.
- Flashed mobile devices to the latest software
- Replaced broken screens and fixed issues related to charging ports and volume control

Languages & Systems

Advanced	Intermediate	Familiar
Java, C++, Python, Git	C#, Pygame, Linux, Bash Scripting, HTML	C, CSS, SQL, JavaScript