

Hassaan Mubashir

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Education

B.S. Computer Science | Lamar University | December 2022

- Relevant courses: Data Structures, Software Engineering, Operating Systems, Algorithms Design and Analysis, UNIX/C++, Database Design, Computer Architecture

Skills & Tools

- Java, Python, C++, SQL, HTML
- IntelliJ IDEA, Git, Eclipse, PyCharm, Windows, Linux, MacOS
- Object-Oriented Programming
- Excellent communication and collaboration skills

Projects

Voting System

- Worked in a team of students and played a leading role to design and implement a voting system for elections in Java.
- Allowed users to vote for Senate, House, and President/Vice President.
- Added an administrator login that grants access to functions such as registering voters and displaying candidate information, voter information, and election results.
- Implemented a database written solely in Java using ArrayLists to store vote, voter, and candidate objects.

UNIX Shell

- Collaborated and played a lead role with classmates to write a shell in C capable of interpreting and executing basic UNIX commands.
- Tested the shell written in C with PuTTY to access a Linux server with a command line interface and WinSCP on Windows for transferring files from a local computer to the remote server.

Portfolio Website

- Worked in HTML/CSS/JavaScript to create an introduction website for showcasing projects.
- Published using GitHub Pages.

Champion Builds Bot

- Programmed a Discord bot in Python that allows users in the server chat to use a single command to automatically fetch links to the most optimized builds, guides, and matchup information for any character from the video game League of Legends.
- Used the Python requests library and BeautifulSoup to scrape a popular League of Legends statistics website and the API wrapper Discord.py to write the bot's logic.