Morteza Eskandari

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SUMMARY

Senior Computer Science student with a passion for developing innovative and user-friendly software solutions. Proficient in Java, Python, C, and JavaScript with a strong understanding of data structures and algorithms. Adept at collaborating with cross-functional teams to deliver high quality, scalable software products. Seeking a challenging software engineering role in a dynamic and fast-paced environment.

EDUCATION

Bachelor of Science, Computer Science — Expected Graduation: May 2024

George Mason University, Fairfax VA

Relevant Courses: Data Structures, Algorithms, OOP, Software Engineering, Operating Systems, Agile

TECHNICAL SKILLS

Languages: Java, C, JavaScript, HTML, CSS, Python, C++, R

Applications: GitHub, Jira, VS Code, Eclipse, CodeBlocks, Microsoft Office

Operating Systems: Windows, Linux

RELATED PROJECTS

Kids Tutoring App – *HTML, CSS, JavaScript* — January 2023 – Present

- Designed and organized the project specifications and requirements.
- Managed progress by having weekly meetings to discuss agenda for each week and divide work.
- Simulated an agile environment using Jira and GitHub for version control.

Hash Table Implementation – *C* — September 2021 – November 2021

- Programmed a hash table data structure in C using CodeBlocks IDE.
- Performs all basic functions of a hash table such as insert, delete, search item. Can also print the table.
- Used a check sum algorithm for my hash function and double hashing for handling collisions.

ATM Bank Project – *Java* — March 2021 – May 2021

- Designed and Created an ATM using Java and Eclipse IDE.
- Used MD5 hash to store user login credentials for security.
- Tested software by using unit testing with JUnit and functional testing.

Portfolio – *HTML, CSS* — October 2020 – January 2021

- Created a portfolio website designed and built using HTML and CSS.
- Fully responsive design, form for contacts, links for project repositories, downloadable resume, etc.
- Deployed website to the web using GitHub.

Sorted Linked Array List – *Java* — January 2018 – February 2018

- Purpose of the project was to create a linked list of array lists of size k and have the user enter a numeric value which will be placed into one of the nodes of the linked list in sorted order.
- Made use of the binary search algorithm to efficiently search for values in the array lists at each node of the linked list to see if that value existed and to help insert and remove values.
- Combined two data structures to solve this complex problem namely, Linked Lists and Array Lists.