**Career Choice and Artifact Update**

Anderson Forestal

Science department, Computer Science

CS-499-T4250 Computer Science Capstone

Southern New Hampshire University

Brooke Goggin

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Career choice and artifact update

Throughout the Computer Science Program, I have learned valuable skills that position me to the top marketable career that significantly projected growth rate faster than all other occupations nationwide (Kathleen, 2023). These skills that I learned from the computer science program will be added to my portfolio to boost my chances of employment. When I reflect on my previous experience, I see where I can enhance these skills to apply to multiple industries. With that said, a bachelor’s degree in computer science opens doors to exciting and lucrative professional opportunities in software development, computer programming, software engineering, and database administration that make the investment worthwhile (Kathleen, 2023).

Following the above train of thought and my research on computer science career opportunities, my choice of career and plans for the future have not changed; on the contrary, it remains more consistent because the widespread of computer use, there are boundless opportunities and the Bureau of Labor Statistics (BLS) "projects jobs for computer and information technology occupations will grow significantly – a 15% increase – from 2021 to 2023 (BLS). This trajectory growth makes the investment in computer science worthwhile. Given this point, computer science has become essential to everyday life and changed nearly every aspect of society; therefore, the computer science field is the future career opportunity to be part of because the knowledge of programming languages goes a long way in making me eligible for multiple positions, such as a computer programmer, web developer or a software engineer.

For the Software design/Engineering and Algorithms and Data Structures, I am making excellent progress by enhancing and refining the authentication and login page class. In the final analysis, I am taking advantage of the open-source community tools to develop code that can generate success in refining the authentication and login page to work as expected.

Working on the data structure and algorithms to implement the project strengthen my skills by integrating components to develop practical techniques to accomplish the goal. For this project, the main idea behind using data structures is to minimize execution time, store and organize data efficiently and effectively, and space complexities. So far, the code does exactly except for the CSV parser when invoked the data file is missing.

For the MongoDB and Jupyter Notebook, I am making excellent progress by uploading the data sets to Mongo and connecting Mongo Client to Jupyter Notebook. The project is still not working properly because of some bugs in the code, but I am working to resolve the issue before the due date.

References

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