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CS-499

5-1 Journal: Computer Science Trends and Artifact Update

February 5, 2023

**Part One:**

*Computer Science Trends*

One emerging trend or development in computer science that is changing the world is Artificial Intelligence. Artificial Intelligence (AI) is machine code that mimics human and animal intelligence. Developers in AI create algorithms and program machines to do human-like activities. It is changing the filed of computer science because its of all of the possibilities and opportunities it presents. AI can detect credit card fraud, detect disease outbreaks, and improve satellite navigation. This too affects consumers, workers, and citizens. (Great Learning Team, 2022)

Another emerging trend or development is Virtual Reality (VR) and Augmented Reality (AR). Both are computer generated environments with scenes and objects that appear to be real, making the user feel they are immersed in their surroundings. VR and AR are widely used in video games. It is becoming increasing popular affecting the computer science field due to the new possibilities, such as training programs for various professions. This also affects consumers, workers, and citizens. (Great Learning Team, 2022)

**Part Two:**

*Artifact Update*

For Software Design and Engineering artifact, I am currently on status checkpoint 6, I have completed the enhancement of adding an additional object to my existing project, cleaned up my code, and also uploaded it to my ePortfolio.

For Algorithms and Data Structures artifact, I am currently on status checkpoint 4, I have completed the enhancement of adding the monitoring system to my existing authentication system and cleaned up my code, just adding the final touches to submit to my ePortfolio.

For Databases artifact, I am currently on status checkpoint 3, submitted, awaiting instructor feedback. I have completed my enhancement of recreating my web application and cleaning up my code.

At this time, I do not have any trouble spots or places that I need help, but I will reach out to my instructor if an issue does arise.

# References

Great Learning Team. (2022, October 20). *Latest Technologies in Computer Science in 2022*. Retrieved from Great learning: https://www.mygreatlearning.com/blog/latest-technologies-in-computer-science/#:~:text=Cybersecurity-,Bioinformatics,Virtual%20Reality%20and%20Augmented%20Reality