**6-1 Journal: Emerging Technologies and Artifact Update**

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Once of the technologies that seems to on the rise in usage is robotics automation technology. Increasingly robots are replacing humans in workplaces. For example, McDonald’s recently revealed their first experimental fully automated restaurant. This spells disaster for the non-skilled worker in my opinion. Where will these people find employment if this experiment is successful in the eyes of McDonald’s? Robotics automation is also filtering to other industries to replace simple work task. Considering how the automotive industry has transitioned to robots, how many other industries will be affected by these changes.

This is one of the primary reasons for learning computer science here at SNHU. I’ve seen some trends in employment that have slowly transitioned into industries when I’ve seen a decrease in the human component. I thought about job security and decided to catch the next trend in computers by learning to program. This way, I figure that if I can’t have the job the robot may be doing, I could at least learn how to fix the robot.

Artifact update: The artifact has been successfully update to include the algorithm changes and database addition. The algorithm was enhanced by creating functions to perform the calculations and to display the data in the form below where the user enters their data. The data is cleaned here as well with a function that checks for proper email format and empty fields. Once the validations are completed and calculations are performed the displayResults() function displays the results.

The database portion of the application way handled by another python file created called mysql\_connect(). Here I simulate the database checks for existence, table checks and means to create the database and table should they not exist. Once the database and tables are confirmed, data is then inserted into the database. There is no actual database connected to it. I used MySQL locally but, don’t have a live server account to display in realtime.