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Professional Self-Assessment

My college journey has definitely been an impactful experience for me. Completing my coursework has helped me with time management, communication, grammar, writing, coding and more. Developing my ePortfolio has helped me become more attractive to potential employers and has helped me with my organizational skills. Yes, it’s true that I am majoring in Computer Science, but I didn’t just code throughout my college journey – my skills were enriched with other projects as well. For example, during CS370, I had a project where I had to write to a team to address their concerns with my hypothetical company’s algorithms complying with GDPR law. This improved my communication and writing skills, and prepared me for communicating with stakeholders in the future. I have also had to create several diagrams throughout my courses, which has built my visual communication skills. In this course, I was able to create a code review video, which helped my communication, video editing and visual communication skills. Additionally, I was able to collaborate in a team environment with my classmates during discussions and group projects. I first touched on databases in DAD 220 during term 23EW2, more specifically MySQL. I learned about NoSQL soon after and was able to connect my mobile app to a database using SQLite in this course. I ran into data structures and algorithms often as I completed my coursework, so thankfully I have experience working with things like arrays, lists, etc. Finally, security was covered in a few of the courses I took (JWT, SHA hash function, etc.), which helped me code securely and will help me do so in the future.

The artifact that I present to you is a weight and meal tracking mobile application. I first created this app in CS360, and chose to enhance it in this course. In course CS360, it was only a weight tracking app, but in this course, I modified the app to also track meals. The app notifies a user when they have reached their goal weight and also tells a user their daily calorie intake. I focused on software design, engineering, algorithms, data structures and databases while enhancing my app, making sure to use data structures such as arrays and linking my app to a database where weights and meals can be stored.