Hi, my name is Dean Menzik. I have been working on my computer science degree for four years and am so excited to graduate in April. I have really enjoyed my studies at Southern New Hampshire University (SNHU) and am eager to put these new skills to use in my future career in Software Engineering/Cybersecurity. Upon graduation I plan to move from Laurel, Mississippi to Austin, Texas to pursue a position at a well-known corporation and to eventually work at the Tesla Gigafactory once it is completed. I enjoy both the software engineering and cybersecurity fields of computer science and I am unsure which specialization I will pursue. One extremely important skill that I have learned during my time here at SNHU is how to be a member of an Agile workplace and how to efficiently produce software results as part of a team. Secondly, I have learned about a great many programming languages such as Python, Java, and C++ that will give me experience and skills that I can put to use on my resume. Finally, I have loved learning about cyber/network security and how to properly ensure that company or personal property and data is kept secure from the quickly increasing rate of cybercrimes in our world today.

An ePortfolio can be a great asset when looking to find a new job opportunity, pursue a promotion, or to showcase your skills in a new field. ePortfolios are very useful for students who have recently graduated and are ready to make a name for themselves in a new career but who have little to no job experience. It is important that your ePortfolio is professional and shows off your skills in your given field so that prospective employers can have a good idea of your skill set. I think that creating an ePortfolio that showcases my work in computer science will be a great learning experience for me and will open up great doors in my future career.

I have learned so much during the course of my studies here at Southern New Hampshire University from new programming languages, cybersecurity, and more about the logic of how computers work. I have stayed pretty consistent in my career goals throughout my time as a computer science major as I have always loved learning and working with the cybersecurity and software engineering aspects of this major. I am slightly nervous about finally graduating and moving into my field, but SNHU has greatly prepared me to succeed in this new walk and I’m very grateful to have been provided with the knowledge and tools to be the best professional that I can be.

Category One: Software Engineering/Design

To demonstrate my mastery of Software Engineering, I will be enhancing the Linked List project that I developed for my CS 260 class here at SNHU. I feel like this program needs a search feature added to increase the functionality and provide value to the user. I will use my talents that I have mastered from my time here at SNHU to make these changes to improve this software program. During the course of my computer science program these past two years, I have learned how to apply newfound skills and tools to develop solutions that accurately and precisely meet the goals that are set for a deliverable.

Category Two: Algorithms and Data Structures

In order to showcase my skills with developing Data Structures, I will be working on improving the readability and functionality of my Hash Table project from my Data Structures and Algorithms class. I have learned how important it is when working to develop a software project to ensure that it conforms to industry standard coding best practices and to have the code well commented so that any other programmers who look at it will be able to easily read and understand what is being accomplished by the program. For this milestone I will be improving the efficiency of the Hash Table program that uses algorithmic principles to solve a given problem by adding essential and detailed comments and ensuring that the program is written and formatted according to the best practices taught to me during the course of my studies at SNHU.

Category Three: Databases

I will be enhancing my project from Client/Server Development (CS 340) to hone my skills regarding databases. Using MongoDB, I will add on to the functionality of my existing program by adding a function to report information regarding the top five stocks in a given industry. For this milestone I will also be adding appropriate comments and making the necessary adjustments to any formatting issues that I may find. Working with databases is a very complex, yet useful tool that I have added to my toolbox during my time at SNHU and I am eager to showcase those techniques.