**Self-Introduction**

Anderson Forestal

Science department, Computer Science

CS-499-T4250 Computer Science Capstone

Southern New Hampshire University

Brooke Goggin

March 5, 2023

Self-Introduction

I work as a Senior Manufacturing Engineering Technician for Bose Corporation. Before working for the company, I had planned to pursue a career in electrical Engineering, but with my work hours and schedule, I could not attend class in person. So, I decided to enroll in SNHU's online Computer Science Program concentrated on Software Engineering. Simply put, I started in the Computer Science Program in August 2018 as a part-time student, having studied in the program for as long as five years. Before enrolling in the program, I studied Computer Networking, but I did not complete the program. Since I am fascinated with understanding how computers work, Computer Science/Software engineering is the perfect program to understand what's going on behind the scene of a computer. Consequently, I decided to enroll in the program simply because the idea of telling a machine to perform a task or to be more precise to write code in some language for an application to execute and follow each step to accomplish a goal is astonishing.

During my studies in the program, I have learned to understand C/C++ structure and algorithms, SQL and NoSQL databases, SEI CERT secures coding standards to mitigate security vulnerabilities, design and develop apps with Android, and collaboration to improve team productivity. Moreover, I learned about agile methodology and the software development life cycle and workflow, which primarily focused on flexibility, fast pace, and continuous improvement to deliver the best quality product possible. These learning experiences will be useful and put into actionable steps to develop software securely even though I do not yet have any professional experience with coding besides school projects.

As a Senior Manufacturing Engineering Technician, I rely on robotics and automation to keep the plant productivity at its highest peak. Thus far, I am repairing equipment to its best working condition to meet productivity, but with Computer Science/Software engineering, I will have a better understanding of what's going on behind the scene to build more efficient and innovative machinery. So far, I have not applied the skills and concepts learned in various programming languages and development tools, but understanding the programming language concepts is essential because all equipment at work is controlled by a main computer program called InControl. InControl is a software built on Structured Programming Language that facilitates the creation of programs with readable code and reusable components. Notably, to be able to manipulate, update and expand the programs, make changes, and show a solid understanding of the language will boost my career to the next level. To put the above explanation into context, my current career is not related to Computer Science because I am not practicing or developing the skills that I learned from this program. From where I started with no coding experience to what I have learned, I can truly say that I have grown my coding, debugging, and troubleshooting skills by understanding the industry’s best practices and secure coding standards. In conclusion, I am confident to say that I am ready to take on a career in the Computer Science field to demonstrate my ability to code and gain experience.

protect businesses of all sizes by ensuring that the organization has the highest level of security to protect data.

As previously mentioned, I do not have any professional experience in the computer Science field yet, but I am looking forward to taking on a task where I can build upon my skills and increase my level of experience with the help of knowledgeable developers who have years of experience in the field. I am a fast learner, and I embrace failure’s lessons because it's a learning process to improve future performance. With that said, I am enthusiastic about technology and innovation, and I am ready to bring the skills that I have learned from the program to an organization that is willing to help me grow professionally and strengthen my development skills to the next level. Moreover, I am a responsible person with strong analytical skills to support the company’s business objectives with strong work responsibility.

For my professional career, I am targeting to specialize in Software Engineering with the ability to develop, design, and create innovative application solutions to solve real-world problems and help clients and organization to deliver the product vision with the highest outcome. As a future developer, I enjoy working with computers to develop an application that primarily focused on flexibility, fast pace, and continuous improvement to deliver the best quality product possible. In conclusion, I consider myself a future developer with strong analytical skills to solve the problem by applying engineering principles and knowledge of programming languages to build application solutions for end users.

References