4-1 Journal: Career Choice and Artifact Update

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CS-499-13167 Computer Science Capstone

Professor Gene Bryant

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**Part One: Career**

I started SNHU and a new job at the same time. I realized the career path I was on really did not have much of a future. I started work as a help desk technician at a local school district. I moved to a network tech position after about a year. At his point I wanted to work as a programmer. I wanted to create the latest and greatest software. As I worked, I took an interest in data analytics. It just seemed like something I would like to do more. I am not a creative person. I have a hard time coming up with new ideas. Data analytics is perfect for me. I can leverage code to sort things quickly. Google offers a Data Analytics Professional Certificate. From what I have read online, I should be able to complete it in roughly 6 months. As of Monday 3/24/25, I have secured a new position within the district. I was offered the role of Academic Intervention Technology Specialist, contingent upon graduating at the end of this term. This new role with make me head of the special education dept software. I will also be responsible for data within the software.

So far, I have met 4 of the course outcomes. I have been able to (2) design, develop, and deliver professional-quality oral, written, and visual communications that are coherent, technically sound, and appropriately adapted to specific audiences and contexts, (4) demonstrate an ability to use well-founded and innovative techniques, skills, and tools in computing practices for the purpose of implementing computer solutions that deliver value and accomplish industry-specific goals, (3) design and evaluate computing solutions that solve a given problem using algorithmic principles and computer science practices and standards appropriate to its solution while managing the trade-offs involved in design choices, and (5) develop a security mindset that anticipates adversarial exploits in software architecture and designs to expose potential vulnerabilities, mitigate design flaws, and ensure privacy and enhanced security of data and resources. I need finish (1) employ strategies for building collaborative environments that enable diverse audiences to support organizational decision-making in the field of computer science.

**Part Two: Status Update**

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| **Checkpoint** | **Software Design and Engineering** | **Algorithms and Data Structures** | **Databases** |
| **Name of Artifact Used** | Artifact Name: AirgeadBanking/Investment  Origin: CS-210 Programing Languages | Artifact Name: Vacation slideshow  Origin: CS:250 Software Development Lifecycle | Artifact Name: Animal Shelter  Origin: CS340: Advanced Programming Concepts |
| **Status of Initial Enhancement** | Completed enhancement | Completed enhancement | In progress |
| **Submission Status** | Submitted 3/23/25 | Submitted 3/30/25 | Planning stage |
| **Status of Final Enhancement** | In progress | Awaiting feedback | Not started |
| **Uploaded to ePortfolio** | In progress | Not started | Not started |
| **Status of Finalized ePortfolio** | Not started | Not started | Not started |

Works Cited

None/Not applicable