

4-1 Journal: Career Choice and Artifact Update

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CS 499: Computer Science Capstone

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1. Have you changed your career plans? If so, what prompted this change? If not, why have you remained with your original plan?

Initially in module one I discussed my interest in mobile development. I am still interested in mobile development. I have learned many new concepts related to Android development and I enjoy using the Android IDE because of how user friendly it is. My next goal is to learn about mobile development on IOS. I have a basic understanding of what is required for mobile development on IOS. I want to learn the basics of the Swift Programming language to build my first IOS application. This change was prompted by my familiarity with the Apple ecosystem since it's my preference for mobile use and coding. Other than mobile development, I have taken a newfound interest in cybersecurity. Cybersecurity is interesting to me because you get to explore systems' weaknesses and implement ways to prevent compromise. As of right now I'm currently in the process of applying to different companies either for an internship or an entry level position. Many of my peers throughout my journey at Southern New Hampshire University are currently in roles related to their Computer Science degree. This makes me very hopeful for my future career.

2. How has your thinking about your career evolved?

Thinking about my career has evolved in beneficial ways. With this thinking it has allowed me to realize that it's a competition between me and other candidates. Thinking this way has allowed me to understand my strengths as well as my weaknesses. While attending SNHU I have had to work hard to understand different technical skills. Even though I have a strong foundation, I have spent many hours outside of schoolwork to make sure I have become

proficient in these. Understanding my weaknesses allows me to gain a better understanding of what they are and allows me to become a better candidate for future employers.

3. Have you completed any research about your choice of career? How has this impacted your thinking? Have you thought about seeking an advanced degree or certification after earning your undergraduate degree?

After some consideration, I believe I would like to continue my higher education and consider a master's program. I really enjoy SNHU's online structure, and I would like to enroll in the Cyber Security Master Program. I as well would like to obtain CompTIA Security+ certificate. Having done research for a career in cyber security, I have realized how interesting and fulfilling a career it would be. According to Dr. Christine Izuakor, "3.5 million cybersecurity jobs will be open in 2025." This was important to me when researching a career choice. Cybersecurity is growing at a rapid pace with no signs of slowing down.

4. Which course outcomes have you achieved so far, and which ones remain?

The course outcomes I have currently achieved so far include:

- 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.
- 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.

- 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.

The course outcomes that remain include:

- Employ strategies for building collaborative environments that enable diverse audiences to support organizational decision-making in the field of computer science.
- Design, develop, and deliver professional-quality oral, written, and visual communications that are coherent, technically sound, and appropriately adapted to specific audiences and contexts.

Status Checkpoints for All Categories

Checkpoint	Software Design and Engineering	Algorithms and Data Structures	Databases
Name of Artifact Used	Artifact name: Inventory Management Android Mobile App Origin: CS 360 Mobile Architect and Programming	Artifact name: Inventory Management Android Mobile App Origin: CS 360 Mobile Architect and Programming	Artifact name: Inventory Management Android Mobile App Origin: CS 360 Mobile Architect and Programming
Status of Initial Enhancement	Enhancements completed	Enhancements completed	Working on enhancement but on track for the submission deadline with a day to spare for issues
Submission Status	Submitted with feedback from the instructor	Planned but not yet completed	Planned but not yet completed
Status of Final Enhancement	Working on applying feedback. Will be ready to submit in Module 5.	Planned but not yet completed	Planned but not yet completed
Uploaded to ePortfolio	Planned for Module 5.	Planned but not yet completed	Planned but not yet completed
Status of Finalized ePortfolio	Planned but not yet completed	Planned but not yet completed	Planned but not yet completed

References

Izuakor, C. (2023, October 19). *From every angle: Is Cybersecurity a good career?*.
Cybersecurity Guide. <https://cybersecurityguide.org/resources/cyber-is-a-good-career/>