

4-1 Journal: Career Choice and Artifact Update

Joel Garcia

SNHU CS-499

Part One:

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

I have not changed my career plans. Since day one my goal has been to work with autonomous systems. While the type of autonomous systems I am most interested in changes depending on current trends, I remain just as interested in the field as I always have been.

2. How has your thinking about your career evolved?

It hasn't changed so much as I've been introduced to new information about the industry. Probably the biggest thing I was unaware of is how much project management is involved in all software engineering as the SDLC aspect tends to get overlooked.

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?

I have done quite a bit of research into the most common systems as well as the math required so I could complete the appropriate elective courses. I also have already submitted my application for an advanced degree program at Embry-Riddle Aeronautical University and am just waiting to complete my undergrad so I can finish the application.

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

My course outcome goals have been primarily focused on the technical side of things because I feel my career goals are technical in nature. Not that I have been ignoring the importance of things like documentation, style, and user experience, but my own measure of the goal outcomes is based largely on whether I achieve the planned enhancements. So far I believe I have, though I have had to scale back some of what I envisioned due to time constraints. But at the moment I believe I have a functional prototype for the first two enhancements, and I I have a good idea of how to implement the third enhancement.

Part Two:

Provide an update to your instructor on your progress with each category of artifacts for the ePortfolio:

- Software design and engineering

Enhancements have been implemented and object parameters are user-adjustable.

- Algorithms and data structures

Enhancements have been implemented and drone movement adjust based on object variables.

- Databases

In progress.

Status Checkpoint for All Categories

Checkpoint	Software Design and Engineering	Algorithms and Data Structures	Databases
Name of Artifact Used	Artifact Name: Interactive 3D Scene Origin: CS 330 Computer Graphics and Visualization	Artifact Name: Interactive 3D Scene Origin: CS 330 Computer Graphics and Visualization	Artifact Name: Interactive 3D Scene Origin: CS 330 Computer Graphics and Visualization
Status of Initial Enhancement	Enhancements completed	Enhancements completed	In progress
Submission Status	Resubmitted	Submitted	Pending
Status of Final Enhancement	Pending	Pending	Pending
Uploaded to ePortfolio	Pending	Pending	Pending
Status of Finalized ePortfolio	Pending	Pending	Pending