**Computer Science Trends and Artifact Update**

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Southern New Hampshire University

CS-499 Computer Science Capstone

Professor Mike Alesso

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**Course Outcomes**

**Completed:**

* Employ strategies for building collaborative environments that enable diverse audiences to support organizational decision making in the field of computer science.
  + This was completed in the first enhancement category.
* Design, develop, and deliver professional-quality oral, written, and visual communications that are coherent, technically sound, and appropriately adapted to specific audiences and contexts.
  + This was completed by completing my video code review, and will be further completed with my ePortfolio.
* 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.
  + This was completed in the second enhancement category.
* 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
  + This was completed in the third enhancement category
* 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
  + This was completed in the third enhancement category

## Status Checkpoints for All Categories

| **Checkpoint** | **Software Design and Engineering** | **Algorithms and Data Structures** | **Databases** |
| --- | --- | --- | --- |
| **Name of Artifact Used** | **Artifact name:**  Project Two  **Origin:**  IT145 Foundations in App Development | **Artifact name:**  Project Two  **Origin:**  IT145 Foundations in App Development | **Artifact name:**  Project Two  **Origin:**  IT145 Foundations in App Development |
| **Status of Initial Enhancement** | Enhancements completed | Enhancements completed | Enhancements completed |
| **Submission Status** | Submitted | Submitted | Submitted |
| **Status of Final Enhancement** | Completed | Started | Not started |
| **Uploaded to ePortfolio** | Uploaded | Not uploaded | Not uploaded |
| **Status of Finalized ePortfolio** | Created, not completed | Created, not completed | Created, not completed |