Class: CS499 Computer Science Capstone

Professor: Ramsey Kraya, PhD

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**Part 1:**

**How might you use an ePortfolio for the benefit of self-promotion?**

An ePortfolio is a great way to showcase specific skills and experience for a prospective employer. You can list the classes you’ve completed on a resume, but actually viewing the output of projects is a completely different way to showcase your capabilities. It’s also an opportunity to cast a spotlight or focus on a specific are of computer science in which you want to work. It’s also a way to demonstrate your ability to effectively manage and complete projects. The ePortfolio should be more than just an end result, it should also include information about the journey, your organization and planned activities to successfully complete the project. It’s a way to track your progress as a developer, and as a student.

**How might you mitigate risks while maximizing the marketing potential of the ePortfolio?**

To mitigate risks in the ePortfolio, start with selecting the skills you feel most confident in. If you’re uncomfortable and uncertain about video game design, then don’t select that project to showcase your skills. Your skill discomfort and insecurity in video game design will overshadow the results and diminish the goal of showcasing your skills and abilities. Select projects and artifacts that are relevant to the industry or role you are interested in targeting for your job search. Embrace the fact that we all have areas where we need to grow and learn. If there is a specific area you feel you could improve upon, let prospective employers know you plan to continue your education and experience in that specific area to continue learning and growing. For security, the portfolio should include access controls to manage who can view or access your personal portfolio. Proofread all documentation, including code comments to ensure there are no spelling or grammar errors, this is an important hallmark of a professional.

**Describe possible downsides or risks – for instance, the risks of posting intellectual property online for public consumption.**

Intellectual property is any intellectual creation such as system design, images, and computer code for which the author, or creator has the right to apply for a copyright, trademark, or patent. If you post your personal projects online, there is always a risk that unauthorized users could copy or utilize your work. Unauthorized users could potentially misuse your content in a manner that negatively impacts or damages your personal brand or reputation, or replicate your innovative ideas to gain a competitive advantage. For cybersecurity, you should control who is able to access your personal content to protect your personal sensitive information, and potential data breaches. For additional security, consider adding watermarks or digital signatures to your content so you can track the origin and prevent unauthorized use of your content. Be sure to cite any references or manage proprietary information utilized in your work, plagiarism is a serious offense and could exclude you from potential opportunities.

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

To date, I have achieved the course outcome for Software Design and Engineering. I still need to complete the course outcomes for Algorithms and Data Structures and Databases.

**Part 2:**

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Checkpoint** | **Software Design and Engineering** | **Algorithms and Data Structures** | **Databases** |
| **Name of Artifact Used** | Artifact: CRUD Java class  Origin: CS 340 Animal Shelter Python class | Origin: CS 340 Dashboard | Origin: CS 340 MongoDB user login |
| **Status of Initial Enhancement** | Enhancements completed | Planned but not yet completed | Planned but not yet completed |
| **Submission Status** | Submitted to instructor for review | Planned but not yet completed | Planned but not yet completed |
| **Status of Final Enhancement** | Waiting for instructor feedback | Planned but not yet completed | Planned but not yet completed |
| **Uploaded to ePortfolio** | In progress, artifacts submitted for review | Planned but not yet completed | Planned but not yet completed |
| **Status of Finalized ePortfolio** | In progress, artifacts submitted for review | Planned but not yet completed | Planned but not yet completed |