# Part One

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

An academic ePortfolio serves as a picture into a student’s learning journey and includes artifacts such as previous work, projects and more (University of Waterloo, 2024). Given this, it serves the benefit of self-promotion predominantly in creating a brand identity for myself on the Internet. An ePortfolio in the form of a personal website would ideally contain a personalized link which I can place in e-mail signatures or on any public platform. In addition, it also enables people who discover my work to contact me for career-related opportunities from all over the world.

## How would you mitigate risks while maximizing the potential of an ePortfolio? (Risks and Mitigation – point 2 and 3).

Risks are an inevitable part of any undertaking. However, when it comes to an ePortfolio, the risks I am particularly concerned about include that people would copy my work, present it as their own or use the information on the website for their own benefit. I would try to mitigate this risk by not sharing too much information – especially as employers would potentially tend to form biased opinions if I did so. When it comes to putting work from my employment online, another risk would be that I would be in violation of any contract terms set by clients or my employer – the easiest way to mitigate this is to make sure that I have any agreements and permissions signed off in writing.

Despite these risks, I feel that I could maximize the potential of my ePortfolio by treating it like a resumé, with keywords and proper search engine optimization. In addition, I could also take part in popular networking activities, leaving my portfolio link as appropriate, and allowing people to contact me through it.

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

This week, I focused on completing Enhancement One, although I did make a start on some of the other enhancements as well. I have met the following course outcomes:

1. (1) Employ strategies for building collaborative environments that enable diverse audiences to support organizational decision making in the field of computer science.
2. (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.

I have the following course outcomes left to meet in my next enhancements:

1. (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.
2. (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.
3. (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.

# Part 2: Enhancement Update

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| **Checkpoint Status Update** | | | |
| **Checkpoint** | **Software Engineering  & Design** | **Data Strucutres  & Algorithms** | **Databases** |
| **Name of artifact used** | Global Traveller | Global Traveller | Global Traveller |
| **Initial enhancement** | **Enhancements complete:** 1. From HTML/CSS/JavaScript, transfer the web development framework to Next JS 14, Tailwind CSS and TypeScript. | **Enhancement to be completed:** 1. Quick sort algorithm for the countries by name (1), price by ascending/descending order. | **Enhancement to be completed:** 1. Adding database (MongoDB) to update content on the website dynamically. This has been completed. |
| **Submission status** | Submitted by Sunday 7/21. There are no issues thus far. I am happy to continue this enhancement to the final submission. | Has not been formally submitted.  The presence of my database and and any sorting may be included as part of the Enhancement One submission, but this will be external to Enhancement One requirements. | Has not been formally submitted. The MongoDB database may be included as part of the Enhancement One submission, but this will be external to Enhancement One's requirements. |
| **Final enhancement** |  |  |  |
| **Uploaded to ePortfolio** |  |  |  |
| **Finalized ePortfolio** |  |  |  |

# References

University of Waterloo. (2024). ePortfolios Explained: Theory and Practice. <https://uwaterloo.ca/centre-for-teaching-excellence/catalogs/tip-sheets/eportfolios-explained-theory-and-practice>