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|  | Explore Performance Task Checklist | logo-teal.png |

## What you do

Select and ***thoroughly research*** a computational innovation that has an impact on society. Communicate about the innovation through written responses and computational artifacts.

## What you submit

**Computational Artifact**

* **Description:** Must provide an illustration, representation, or explanation of the computing innovation’s intended purpose, its function or its effect.
  + **must not** simply repeat the information supplied in the written responses and should be primarily non- textual.
* **Format**: a video, audio, or PDF file. Acceptable multimedia file types include .mp3, .mp4, .wmv, .avi, .mov, .wav, .aif, or .pdf format. PDFs must not exceed 3 pages in length. Video or audio files must not exceed 1 minute in length and must not exceed 30MB in size.

**Written Responses**, providing evidence of the extensive knowledge you have developed about your chosen computing innovation and its impact(s).

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| * + **Computational Artifact PT 1** *(~100 words)*     - Name the computing innovation that is represented.     - Describe the computing innovation’s intended purpose and function.     - Describe how your computational artifact illustrates, represents or explains the computing innovation’s intended purpose, its function or its effect.   + **Computational Artifact PT 2** *(~100 words)*     - Describe your development process, explicitly identifying the computing tools and techniques you used to create your artifact.       * **must be** detailed enough so that a person unfamiliar with those tools and techniques will understand your process.   + **Computing Innovation**      - Explain at least one beneficial effect and at least one harmful effect the computing innovation has had, or has the potential to have, on society, economy, or culture. *(~ 250 words)*     - Using specific details, describe: *(~250 words)* * The data your innovation uses. * How the innovation consumes (as input), produces (as output), and/or transforms data. * At least one data storage concern, data privacy concern, or data security concern directly related to the computing innovation. | * **References**    + Provide a list of at least three online or print sources used to create your computational artifact and/or support your responses to the prompts.     - At least two of the sources must have been created after the end of the previous academic year.     - For each online source, include the permanent URL. Identify the author, title, source, the date you retrieved the source, and, if possible, the date the reference was written or posted.     - For each print source, include the author, title of excerpt/article and magazine or book, page number(s), publisher, and date of publication.     - If you include an interview source, include the name of the person you interviewed, the date on which the interview occurred, and the person’s position in the field.     - Include citations for the sources you used, and number each source accordingly.     - Each source must be relevant, credible, and easily accessed. |