CSCE 221 — Cultural Assignment

Computer science and engineering is a very dynamic discipline with tremendous impact on many aspects of our lives. You can learn more about the current events and problems that modern computer scientists are solving by reading technical papers. This will also expose you to the type of challenges that you will face after graduation.

This assignment requires that you read one technical paper, write a report about it, and prepare a powerpoint presentation, see more details below. The scores received on the cultural assignment will count toward your final grade.

- Details of the first part of the cultural assignment.
  - Find a journal paper published after December 2013 related to computing in diverse areas of science, technology, economy or society. There is an electronic access to many journals like ACM or IEEE from the Evans Library website.
  - Select a professional paper in this journal and write a one- or two-page report in the essay format (double-spaced).
    - At the beginning of your report put your name, date, course/sections and its title.
    - Write about a data structure and/or algorithm that is being referenced in the article. Then describe how it is implemented. If there is no such explicit description in the article, provide your idea as to how this would be implemented or do some research and find a possible implementation.
    - In your own worded summary include the discussion about the algorithms and data structures that you believe were used in an application described in the paper and provide an answer to the question *"What did I learn from the paper about an impact of this application on the society or the economy?"*
    - Provide the following bibliographic information about the paper: title, name(s) of author(s), name of the journal with volume, number, date and page numbers.
  - In addition, prepare a 2–3 minute powerpoint class presentation based on this paper emphasizing data structure(s) and/or algorithm(s).
  - Submit your report and presentation to the class folder in CSNet by **January 24t**h.

This document was translated from $L^A T_E X$ by $H^E\!V^E\!A$.