CS203 Project 3 – The Future Now: Computer Architecture and You
Minimum 8 pages: 2000 words

Write a paper that synthesizes the four provided articles on the Moodle site into a cohesive presentation about the future of computing. The first part of your paper will consist of summaries for each article, organized by how the articles are related to each other. The second part of your paper describes what the combined articles say about the future trends for computer design and CPU design specifically.

Your Challenge: These articles are from IEEE Micro, representing an important outlet for researchers to publish their work. Thus, these articles are the real deal and should be considered with respect. But since these articles are coming from a top-drawer source, some can be challenging to read. Do not delay reading the provided articles or the writing of this paper. Additionally, this is not the type of paper you should write overnight. Start by reading the articles, and then produce the individual summaries. Then pull the ideas from the summaries together to develop your theme. Once you have your theme, write the remaining paper referencing back to the original articles. Yes, references to ideas from the original articles are important. Also, initial versions of the article summaries are due Friday of week 13, these do not need to be complete but should capture the general themes of the provided articles.

Important Dates:

November 10, 2016 – Assignment Distributed.

December 2, 2016 – Half page summaries for each paper submitted to the Moodle.

December 9, 2016 – Final Draft due to the Moodle.

Articles:

Unlocking Ordered Parallelism with the Swarm Architecture – Jeffrey, et.al. 2016

Proprietary Versus Open Instruction Sets – Hill, et.al. 2016

Profiling a Warehouse-Scale Computer – Kanev, et.al. 2016

Web Search for a Planet: The Google Cluster Architecture – Barroso, et.al. 2016