gem5 bootcamp: Latin America 2024

Some things to get you started before the bootcamp

Pre-bootcamp Reading

If you want to get familiar with gem5

These papers are good to skim. You do not need to read carefully.

- The original gem5 paper: The gem5 simulator
- The gem5-20 paper: The gem5Simulator: Version 20.0+

The "original" paper was published in 2011 just after m5 and GEMS combined to form gem5 and is a good overview of the simulator architecture and models included at that time.

The new gem5-20 paper discusses the changes since the 2011 paper and provides an overview of the current models in gem5.

Pre-bootcamp prep

The prerequisites for the bootcamp:

- Undergraduate computer architecture
    - Memory architecture
    - Caches
    - In-order and out-of-order processor design
    - Multicore architecture and cache coherence
- C++
- Python
    - The next slidedeck covers a python reminder