

# alpaka Parallel Programming – Online Tutorial

## Recap of Lecture 00 // Announcements



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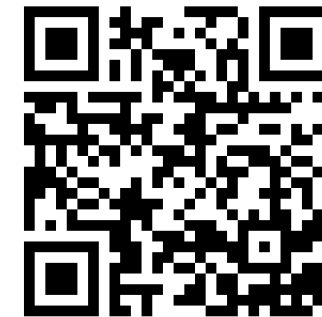
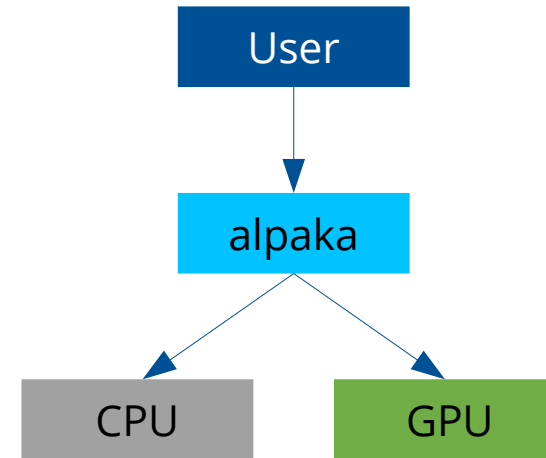
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# Recap of Lecture 00

- alpaka's purpose and features
  - Parallel programming library
  - Abstraction layer
  - Heterogeneous computing
- How to install, test and run alpaka
  - Use git for downloading alpaka and the examples
  - Use CMake  $\geq 3.15$  for configuration and building



# Announcements

- Introduction of alpaka concepts today
- Special notation:
  - Upper case: “Thing” refers to alpaka’s “thing concept”
  - Lower case: “thing” means ordinary “thing”
- Example: device vs. Device
  - device means a physical device
  - Device refers to alpaka’s device concept
- All of alpaka’s functionality lives in the `alpaka` namespace
  - `using namespace alpaka;` is implied on all slides!



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