Phylanx Meeting Notes

February 22, 2018

* Adrian, Hartmut, Bibek, Monil, Stefan, Rod, Bamba, Katy, Chris, Steve
* Chris-
  + Done with Strassen
    - Used a GPU variation of the Algorithm
      * Should have this merged this weekend
  + Working on tree transducers
    - Four functions that need to be implemented
      * Finished the first
      * Working on the second
    - I need a visitor type which mimics a binary traversal to integrate this back into Phylanx
* Ravel
  + Katy
    - Send out code to Bibek, Hartmut, and Keven
    - Added coloration to the graph
    - Created an Icesycle output
  + Katie-
    - Plugging away at Gantt chart creation
* APEX
  + Monil-
    - Looked at Dask
      * Wrote an LRA
      * Generated a profile
        + Uploaded to data to repo
      * Chris we want to build a more general framework
* Tiling
  + Got a clearer picture
    - Spartan performs tiling at runtime
    - We want to do tiling during the optimization stage
  + Postdoc Job has been approved by HR
    - Waiting for them to post the job link
* Primitives and Algorithms
  + Bibiek
    - Slicing has been merged into master
    - Set primitive
      * Pull request
      * Have an issue with Blaze
  + Parsa
    - Working on K-means
      * Need 3 primitives
  + Shahrzad
    - Finished simplest version of ASL
    - Fixed many integration issues
  + Ali-
    - Fixing issues with HighFive on Linux
    - Added HDF5 and HighFive to CircleCI
* Python
  + Added for loop support for Python front end
  + Refactored Python package
  + Changed decorators to allow different AST back-ends
  + Parsa is working on a Python style checker
* Error Messages
  + Hartmut- I refactored the code to report the column and line number of an error produced
    - We need to make sure that the Python front end passes the right column and line numbers along
* Funding Update
  + Arizona is in the clear
  + Oregon has some contract issues
  + LSU
    - BAH is looking for the Cover Letter Representations and Certifications from LSU
* Next Meeting: Thursday March 1st at 3:30pmET/2:30pmCT/1:30pmMT/12:30pmPT via Webex