

Ruby based Tensor Flow + Hilbert Spaces + QRNG + Supercomputing : Towards Using GPUs i.e. for Testing of GPUs w.r.t Advanced Medical Image Processing & Informatics Frameworks -> A Technical Note.

[Exploring -> Tensor Flow.rb + ruby-GSL + ruby-QRNG + Ruby + LLVM-rb + Applied Mathematics/Algorithms]

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[I] Main Idea + Inspiration + Introduction :

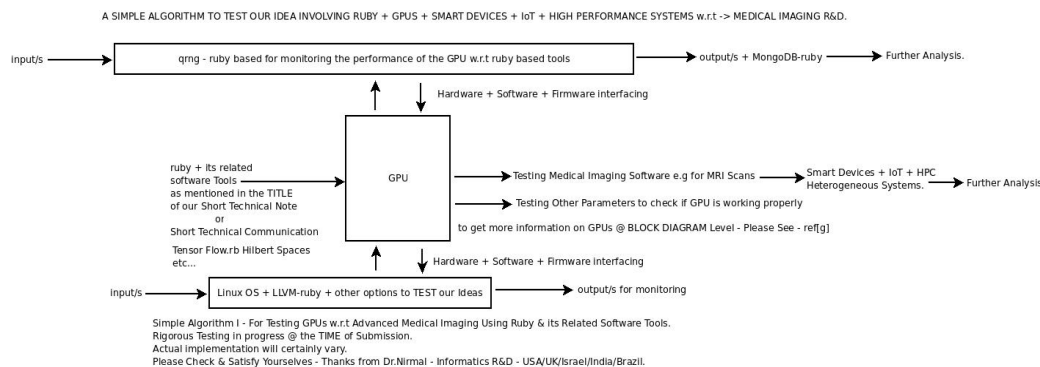
As explained in the TITLE above. "RUBY is meant for Humans not Machines" -> Matz. **Rapid Prototyping** is one of the main advantages.

<https://www.slideshare.net/preston.lee/ruby-supercomputing-using-the-gpu-for-massive-performance-speedup-v11>

<https://www.intel.com/content/www/us/en/artificial-intelligence/programmable/fpga-gpu.html>

<https://www.doc.ic.ac.uk/~wl/papers/fpl95.pdf>

[II] Ruby based R&D Informatics Framework to TEST GPUs + Medical Image Processing :



[Figure I - Algorithm I]

[III] Important & Useful References :

[a] <https://cloud.google.com/compute/docs/gpus> && [b] <https://www.prestonlee.com/>

[c] <https://github.com/SciRuby/rb-gsl> && [d] <https://github.com/k0kubun/llrb>

[e] <https://github.com/somaticio/tensorflow.rb> && [f] <https://github.com/tejdnk-2019-ShortNotes> - lots of examples using ruby*

[g] https://www.researchgate.net/figure/A-block-diagram-of-the-GPU-architecture_fig1_294139209*

[IV] Acknowledgment/s :

Sincere Thanks to all WHO made this happen my LIFE. Non-Profit R&D.Inspire Others Always.

[V] Conclusion/s + Future Perspectives :

Ruby based Testing is always useful in probing Advanced Software + Hardware + Firmware for Hi-End Applications.One of the pioneering R&D Efforts in this interesting domain.Let us inspire others always and expect more innovative papers or communications.Thanks.

[THE END]