
[Exploring – Next Generation Radiation Oncology Informatics Framework Using the Above Mentioned Tools]

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[I] Inspiration & Introduction:

http://caml.inria.fr/ - CAML Language – interesting to read
http://ocaml.org/ - OCAML Language – interesting to read

https://devmesh.intel.com/projects/owl-an-ocaml-numerical-library

https://pypi.org/project/qrng/#files - A Quantum Random Number Generator using IBM's Qiskit --->

“**qRNG** is a python package that generates truly random numbers via quantum mechanics. It does this by using IBM's [**QISKit**](https://qiskit.org/) API to communicate with any one of their 3 publicly accessible quantum computers."

https://steemit.com/programming/@kkaos/haxe-python-tutorial-intro

https://pypi.org/project/pydicom


GitHub - loli/medpy: Medical image processing in Python - https://github.com/loli/medpy
[II] High Performance R&D Multimedia Informatics Framework & its Approximate Implementation:

DICOM/HAXE/PYTHON - MEDICAL IMAGE PROCESSING INFORMATICS FRAMEWORK

- QRNG Service - A Quantum Random Number Generator using IBM’s Qiskit
- Monitor the Image Processing results using Smart Device like Bosch-XOX-IoT
- Interaction/Interfacing of Quantum Computing with Hardware/Software/firmware for advanced Medical Informatics R&D
- General Approach

- Haxe+Python AP-Haxe+Python interaction
- py-dicom
- IMAGEAI - State of the Art Python Image Processing Library using AI
- Medical Images for Processing Analysis Storage
- IoTIoT-IoPC
- MongoDB/BaseX etc.

Algorithm 1 - Advanced Medical Image Processing Informatics Framework - Approximate Suggestion
Please Check & Satisfy Yourselves.
Testing in progress with some results
Thanks - Dr Nirmal
Non-Profit R&D only.

*** Not Recommending any specific - Hardware/Software/firmware/IoT-Devices/HPC configuration here.
Just for your guidance/information only. Other Options Exist.

[ Figure I – Algorithm I - DICOM+HAXE+PYTHON+qrng-pythonlib based Medical Image Processing Platform ]

[III] Our Related R&D References:


[b] https://www.semanticscholar.org/author/Nirmal-Tej-Kumar/12354503/suggest

[IV] Acknowledgment/s:

Special Thanks to all WHO made this happen in my LIFE. Non-Profit R&D.

[V] Important References:

[a] The most insightful stories about Medical Imaging – Medium - https://medium.com/tag/medical-imaging

[b] https://www.zerynth.com/blog/the-rise-of-python-for-embedded-systems

[c] https://en.wikipedia.org/wiki/Haxe_(programming_language) - Haxe is a high-level cross-platform multi-paradigm programming language and compiler that can produce applications and source code, for many different computing platforms, from one code-base.

[d] https://github.com/HaxeFoundation/ocamhaxe
[e] https://en.wikipedia.org/wiki/OCaml

[f] https://ocaml.org/learn/success.html

[g] https://www.silexlabs.org/haxe-and-ocaml-united/


[i] https://github.com/nihils/MLXO - A haXe library of machine learning algorithms, both statistical and neural - nihils/MLXO.

[j] https://github.com/yminer/libml


[ THE END ]