

Exploring Photon/WASM+ LINFA + rustfrc - ["rustfrc" is a Python package with some fast Rust Functions useful for FRC (Fourier Ring Correlation)] w.r.t Z3-rs based Testing of Advanced Cryo-EM Imaging Algorithms.

[Python + Rust + Enzyme + LLVM -> What a combination for innovation & speed involving COVID-19 informatics !!!]

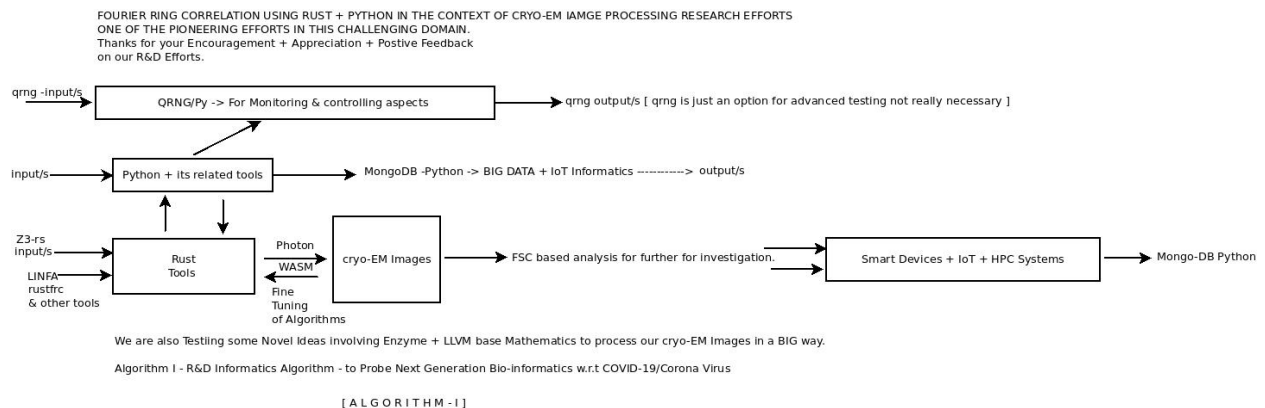
Nirmal - Informatics R&D - USA/UK/Israel/Jordan/Ireland/BRICS Group of Nations.
Current Member - ante Inst UTD Dallas TX USA.
Contact_info - hmfg2014@gmail.com

[I] Main Idea + Inspiration + Introduction :

Based on our TITLE mentioned above : We are Focusing on Theoretical Concepts + Experimental Algorithms.

https://en.wikipedia.org/wiki/Fourier_shell_correlation && [https://en.wikipedia.org/wiki/Resolution_\(electron_density\)](https://en.wikipedia.org/wiki/Resolution_(electron_density))

[II] R&D Algorithm/s w.r.t Designing a Novel Bio-informatics Framework :



[Figure I - Our Simple Suggestion & Novel Algorithm involving Rust + Python Languages]

[III] Important & Useful References :

[a] <https://github.com/tejdnk-2019-ShortNotes> -> Plenty of examples for your guidance.Thanks.

[b] <https://github.com/tmtenbrink/rustfrc> && <https://smartcorelib.org/> && <https://blog.logrocket.com/machine-learning-in-rust-using-linfa/>

[c] <https://github.com/tejdnk-2019-ShortNotes/tejdnk-Space-Medicine-Informatics-github.io/blob/master/Rust-Photon-Movidius-Nir-21.pdf>*

[d] <https://github.com/tejdnk-2019-ShortNotes/tejdnk-Space-Medicine-Informatics-github.io/blob/master/Web-Assembly-Img-Nir-2021.pdf>*

[IV] Acknowledgment/s :

Non-Profit R&D.Inspire others always.Sincere Thanks to all WHO made this happen in my LIFE.

[V] Conclusions With Future Perspectives :

Hi-speed computation with accuracy is possible with Rust + Python -> towards probing cryo-EM Images in the context of COVID-19 investigations.

[THE END]