

ROMAN GLAZ

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github.com/vokerlee

EXPERIENCE

Assistant-engineer

Huawei RRI

📅 july 2022 – now

- Coauthor of international patent (PCT): Computing performance improving method and electronic device (application not published yet).
- Created or took part in creation of architecture-dependent (ARM64) performance/power models and algorithms related to linux kernel scheduler & frequencies scaling.

PET PROJECTS

- RISC-V 64-bit functional simulator – custom simulator with RV64IM instructions interpretation via threaded-code, MMU & TLB.
- Echo Virtual Machine (EVM) – custom register-based virtual machine with incremental garbage collector.
- Vokerlee SSH – custom secure shell implementation (TCP + UDP with delivery guarantee) via linux virtual terminals & cgroups.

EDUCATION

Bachelor of Radio engineering and computer technology

Moscow Institute of Physics and Technology

📅 sept. 2020 – july 2024

- CGPA 9.41/10, top 1 department graduates, top 4 university graduates
- Thesis topic: "Memory aware CPU frequency scaling policy in Linux kernel".

Master of Radio engineering and computer technology

Moscow Institute of Physics and Technology

📅 sept. 2024 – now

TECHNICAL SKILLS

Programming languages

C, C++, Python

Architectures

RISC-V, x86-64, ARM64

Projects experience/contribution

Linux kernel, Gem5, LLVM

Technologies experience

Linux API, MPI, OpenMP

Languages

English – upper intermediate

EXTRA INFO

Member of the national team for the International Physics Olympiad 2020 (cancelled due to Covid19)

1st rank in powerlifting (IPF federation)