Andrei ILIN

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⌨ github.com/stariktenger

I am a student of **UGA Ensimag** on the 2st year of master degree, studying distributed systems and parallel algorithms.
Used to C/C++. Have a background in compilers, keen on functional languages.
Currently looking for 6-month internship for the next semester (starting from February 2025).

EDUCATION

Master of Science in Informatics at Grenoble
Université Grenoble Alpes 📍
2023 — present 📅

Bachelor of Applied Mathematics and Information Science
Bauman Moscow State Technical University 📍
2020 — 2023 📅

High school
Lyceum 40, Nizhniy Novgorod 📍
2018 — 2020 📅

PROJECTS

Formal Language Converter
Study project on Formal Language Theory. Processes regular expressions and finite automata an generates a step-by-step description of all transitions in LaTeX
◉ C++   ◉ LaTeX
github.com/StarikTenger/Chipollino ⌨

PathTracing
Rendering realistic images using path tracing. My coursework on the topic of Computer Graphics
◉ C++ , ◉ GLSL
github.com/StarikTenger/PathTracing ⌨

Online Space Shooter
Game developed by the group of BMSTU and MIPT students. It is a 2d multiplayer space-shooter which takes all features of newton mechanics such as linear and angular inertia
◉ C++   ◉ SFML   ◉ Box2d
github.com/StarikTenger/SpaceSodomy2 ⌨

PERSONAL INTERESTS

🏷 Electric guitar   🏷 Composing music

🏷 Game jams   🏷 Drawing

WORK EXPERIENCE

TIMA Lab, Grenoble INP
Approaching automatic proofs for Chisel high level descriptions of digital circuits
📍 Grenoble, France
📅 February-June 2024
◉ Isabelle/HOL ◉ Chisel ◉ Haskell

Huawei – research lab
Optimization of video memory consumption by compressing images in Mesa3D driver
📍 Nizhnii Novgorod, Russia
📅 June-August 2023
◉ C ◉ Mesa3D

Python backend developer
Worked on university contest platform during summer practice. The platform is now used by BMSTU students
📍 Moscow, Russia (remote)
📅 Summer 2022
◉ Python ◉ Flask ◉ HTML

SKILLS

Programming languages
◉ C/C++ ◉ Python ◉ Haskell ◉ OCaml ◉ JS
◉ Java ◉ Golang ◉ Assembly

Technologies
◉ Git ◉ OpenGL ◉ RabbitMQ ◉ OpenMP ◉ MPI

Skills
◉ Mathematical Analysis ◉ Lineal Algebra
◉ Cryptology ◉ Formal Language Theory
◉ Operating systems ◉ Computer Graphics

LANGUAGES

●●● English (C1)   ●●● Russian (Native)
●○○ French (Beginner)