Egor Malyutin

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EDUCATION

- **Novosibirsk State University**
  Mechantronics and robotics, Mathematics and mechanics

EXPERIENCE

- **Retentioneering** — Omsk
  Data engineering/data collection — *2019*
  - Developed a service that tracks, aggregates and analyzes user activity across client company services

- **Echo** — Omsk
  Frontend developer — *2019-2020*
  - Built multiple fast-loading, mobile-optimized websites

- **GisGkx (ADS365)** — Omsk
  Mobile developer — *2021-2023*
  - Built multiple mobile apps using React Native, allowing easy remote access to GKX services
  - Developed native mobile applications for remote management and access control on corporate employee devices

TARGET AREAS

Systems Programming, Backend and Frontend development, Mobile Development, Machine Learning

SOME OF THE THINGS I'M FAMILIAR WITH

- **Web Frontend**: basics (HTML, CSS, JS), TS, React, Vue, Svelte etc, WebGL, WASM

- **GUIs**: GTK, Qt, Flutter, Jetpack Compose

- **Backend Frameworks**: FastAPI, NestJS, Express, Axum, too much of them

- **Backend**: PostgreSQL, MySQL, MongoDB, RabbitMQ, NATS, Docker, K8S

- **Systems Programming**: C, C++, Rust, Go

- **MCUs**: Arduino, Stm32, FreeRTOS

- **HPC**: CUDA, OpenMP, distributed computing

- **Low-level**: x86 assembly and optimization, a bit of Linux kernel internals, some experience with optimizing CUDA and graphic kernels

- **ML**: Jax, PyTorch, model compression and optimization, significant experience with some CV and seq2seq problems

- **Maths**: your average analysis course, probability theory, statistics, some differential equations, mathematical logic, numeric methods, classic computer science (aka Algorithms & Data Structures)

- **Honourable Mentions**: Haskell, Idris, Erlang