ROMAN ILGOVSKIY

Software Engineer

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github.com/zedroman

WHO AM I?

Bachelor in computer science.
Specialized in distributed systems.

SKILLS

Proficient in: C++, Python, SQL
Familiar with: Rust, C, Assembler
Technologies: Docker, SQL, Kafka, Cloud, Linux, Terraform, Bash, Git, Algorithms

EXPERIENCE

10/2023 – now
full-time

Software Engineer, Yandex Delivery   Yandex Technologies
Software Engineer in Delivery backend team. Working on API, data storage and multiple microservices
`C++ / Distibuted Systems / Python`

11/2021 – 5/2023
full-time

Software Engineer, Core Replication   RedPanda Data Inc.
Software Engineer in Core Replication team. Redpanda - a Kafka®-compatible event-streaming platform. Open source.
`C++ / Distibuted Systems / Python / Linux / OpenSource`

10/2019 – 11/2021
full-time

Software Engineer   Yandex Technologies Inc.
C++ Software Engineer in Yandex advertising technologies group (AdFox) Maintained and implemented features for high loaded advertisement services. Realised infrastructure solutions for high loaded distributed system
`C++ / Distibuted Systems / Python / Linux`

7/2019 – 10/2019
internship

Infrastructure Software Engineer   Yandex Technologies Inc.
Developed infrastructure in Yandex advertising technologies group, Adfox engine team. Supported review control of engine notification system settings and existing metrics. Implemented open-shoot approach in performance testing.
`C++ / Python / MySQL / Linux`

9/2018 – 6/2019
part-time

Linear Algebra assistant   Higher School of Economics
Assessed theoretical answers and problem solutions at colloquium. Gave a series of consultations for first year computer science students.
`Math / LaTeX`

7/2018 – 10/2018
internship

Back-end Software Engineer   Yandex Technologies Inc.
Python back-end Software Engineer in Yandex business technologies, Yandex.Connect service.
`Python / PostgreSQL / Linux`

PROJECTS

8/2020 – 5/2021
university project

Development of a Framework for Practical Exercises on Distributed Systems   Higher School of Economics
Framework that allows to perform Model Checking approach for testing distributed algorithms
https://www.hse.ru/edu/vkr/446672470
`Python / DistributedSystems`

8/2019 – 5/2020
university project

Automatic generation of random datasets for a query   Higher School of Economics / Clickhouse
Implemented automatic database generation according on given query in Clickhouse. This database has structure which satisfies the request. Also database contains data which would give not empty result on given request
`C++ / Clickhouse`

3/2019
hackathon

Road Rules Checker   Start Hack 2019
I developed back-end for our mobile app. Using flask i created server that received information from car using special API that was provided by Bosch company, then i created special algorithms that checked if user has broken the rules, then server send information to our android mobile app.
`Python / Flask / IOT`

8/2018 – 2/2019
university project

Sensuous Original Network Invents Audio (SONIA)   Higher School of Economics
Using Python Torch I implemented recurrent neural network for creating midi music. I encoded midi events as classes and solved sequence generation problem using gated recurrent units.
`Python / Torch / Deep Learning / Data Science`

EDUCATION

2017 – 2021	**Bachelor's Degree**	**National Research University Higher School of Economics**
	Faculty of Computer Science. Applied Math and Programming. Distributed System. GPA 9.03/10	
2013 – 2017	**Secondary Education**	**Lyceum 2, Irkutsk Russia**
	Math class, graduated with gold medal. GPA 5/5	

ADDITIONAL EDUCATION

10/2018, 4/2019	**President's FinTech school**	**Sirius, Sochi Russia**
11/2018	**Data Analytics school**	**Winter School on Data Analytics 2018, Nizhniy Novgorod Russia**
2/2016	**Combinatorics and Algorithms school**	**"KombAlg", Kostroma Russia**

ACCOMPLISHMENTS

2019	**Participant:** Start Hack	**St.Gallen, Switzerland**
2017	**1st diploma:** MLH Local Hack Day	**Moscow, Russia**
2017	**1st diploma:** All-Russian Mathematical Olympiad "All-Siberian Olympiad"	**Novosibirsk, Russia**
2017	**2nd diploma:** All-Russian Mathematical Olympiad "Lomonosov"	**Moscow, Russia**
2017	**2nd diploma"** All-Russian Mathematical Olympiad "The Olympiad of SPBGU"	**St. Petersburg, Russia**

LANGUAGES

Russian - native
English - proficient

HOBBIES

Reading articles

NON PROFIT

Frisbee-ultimate.