Kirill **Bas**

Saint Petersburg, Russia

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"An important thing that I realized for myself is that you should always be friendly and open to others by default"

Education

Saint Petersburg State University *St. Petersburg, Russia*

B.S. in Computer Science and Applied Mathematics *Sep. 2020 - Jul. 2024 (expected)*

- Algorithms and Data Structures, Linear Algebra, Group Theory, Probability Theory, Mathematical Statistics, Discrete Math, Calculus
- Machine Learning, Deep Learning, Python, Design of Fault Tolerant Systems, Information Security
- English (B2, upper-intermediate)

Work Experience

DTL Private Ltd, Hedge Fund *Singapore*

Software Engineer Intern *Summer 2022*

- DTL is a Singapore-based investment fund that has more than $903 million assets under management.
- Design and implement robust internal systems/capabilities to boost the productivity and enhance the trading capabilities of the company

Yandex, FinTech *Moscow, Russia*

Junior Software Engineer *Summer 2021 - Spring 2022*

- Developed, launched and maintained multiple microservices that simplifies communication between buisness and customers, allows to track the status of order readiness.
- Provisioned an easily manageable hybrid infrastructure (Yandex Cloud) utilizing IaC tool Terraform.
- Installed and configured system consisting of Kibana, Elasticsearch.

Yandex, ML Infra *Moscow, Russia*

Software Engineer Intern *Spring 2021*

- Building distributed 24/7 realtime streaming embedding pipeline which improves recommendation quality by 3.9% and advertising campaigns income by 6.3%.
- Realtime pipeline consumes user events (3 TB / day), pushes them into sharded persistent queues, aggregates item history on the fly, computes embeddings using matrix factorization methods (ALS and friends).
- Configuring monitoring via in-house technology Solomon (like Grafana) which improves observability by 2%

Personal Projects

DevFest Seoul by Google Developer Group Korea

Java microservice created as a group project | link

- Introduced the history of web technology and the JAM stack which is for the modern web application development.
- Introduced how to freely host the web application with high performance utilizing global CDN services.
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6th CodeEngn (Reverse Engineering Conference)

Flask webapp created as a group project

- Introduced CTF(Capture the Flag) hacking competition and advanced techniques and strategy for CTF
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Honors & Awards

| 2020 | **Finalist**, 146th of 50000+, Russian National Olympiad in informatics of School Students | *Kazan, Russia* |
| 2019 | **Finalist**, 207th of 50000+, Russian National Olympiad in informatics of School Students | *Ulyanovsk, Russia* |

Extracurricular Activity

2022	**Teaching Assistant**, Course on Java	*Alma Mater*
2022	**Volunteer Organizer**, ACM ICPC	*Moscow*
2020	**Teacher**, Algorithms and Data Structures	*Alma Mater*