

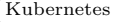



BLAGOI DIMITROV

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EXPERIENCE

Yandex

- *SWE Intern, Yandex.Cloud Managed Service for Kubernetes team*

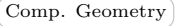
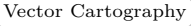



- Implemented the SLI (Service Level Indicator) metrics measurement tool based on international SLI practices for Kubernetes.
- Suggested my own version of SLA, based on SLI.

St. Petersburg, Russia

Sept. 2020 - March 2021

Wärtsilä

- *SWE Intern, Spatial Data Preparation Technologies team*

- Implemented vector cartography in C++ and replaced raster cartography with it.
- Result: the maps have reduced their volume by 70%

St. Petersburg, Russia

July 2019 - Jan. 2020

EDUCATION

ITMO University

- *Studying for the bachelor degree in Computer Science and Applied Math*

St. Petersburg, Russia

Sept. 2018 - Aug. 2022 (Present)

Computer Science Center

- *Software Engineering, Data Science and Computer Science courses. GPA: 4.5*

St. Petersburg, Russia

Sept. 2019 - Aug. 2023 (Present)

PROJECTS

Functional File Manager

-  

Dec. 2020

File manager with CLI on Haskell, based on monad transformers and IO monads.

BIDE

-  

May 2020

I developed my own IDE for my own DSL programming language. I did not use any ready-made libraries for cheaters. The entire core of the language and environment, from the parser to the syntax highlighter, is self-written.

Language has convenience in writing modules and working with them, an advanced compiler/interpreter with human-readable error messages and variables that make the language both imperative and declarative.

IDE has dynamic syntax highlighting and console.

RSVP Player

-  

Apr. 2020

Text player on Python, based on RSVP technology. This player allows reading texts 3-5 times faster.

Huffman encoder/decoder

-   

May. 2019

Console utility that allows to compress/decompress files larger than RAM, using the Huffman algorithm.

Big Integer in Assembly

-  

March. 2019

Implementation of Big Integer calculation on Assembly.





Jetbrains Hackathon - 1st place (out of 20)

-   

Aug. 2017

Roguelike-game. JetBrains award for the best app at the Hackathon.

Company Request Manager

-    

Aug. 2017

App for tackling internal company problems.

Satellite stabilisation

-  

Sep. 2016

Developed, implemented and tested satellite stabilisation algorithm in pure C for Russian Space Agency.

PROGRAMMING SKILLS

- **Languages:** Python, C++, Java, Assembly, GoLang, Haskell.
- **Technologies:** Protobuf, GTest, Git, LaTeX, Docker.
- **Knowledge:** Algorithms and Data Structures, Computer Architecture, Concurrent Computing, Functional Programming.