

Balakhnin Sergey

Backend-developer

Contacts

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Education

4th year student CT ITMO.

GPA: 4 / 5

Specialisation: mathematics and computer science (01.03.02), a passing score - 309/310 of the state exam.

Work Experience

Huawei internship, project - LLVM compiler.

Stack: C/C++, research

Specialization: develop profile guided optimization for clang compiler

Period: 10.15.2020 - current time

Huawei internship, Programming Language team.

Stack: Go, research

Specialization: develop translator from java to new language (it is topic of bachelor's thesis)

Period: 07.15.2020 - 10.15.2020

Tinkoff internship, project - website kassir.ru.

Stack: Java, Kotlin, Spring

Specialization: Backend-developer

Period: 07.2019 - 09.2019

Key skills

- **Programming languages.**

Kotlin, Java. To a less - Haskell, Go, C++, Python.

- git experience
- knowledge in algorithms and data structures
- theoretical knowledge in multiprocessing programming and experience in it
- Base knowledge in machine learning
- experience in web-programming, spring
- experience in android programming
- Technical english
- I can understand big projects

Educational projects, achievements

- GitHub-repository with project links <https://github.com/sergalb/itmo>
- LALR-grammar parser's generator (weak analogy to antlr)
Stack: Kotlin, antlr
Project link: <https://github.com/sergalb/ParserGenerator>
- Util for searching substring in directory (analogy to grep, with UI)
Stack: C++, QtCreator, Multithreading.
In this project, I managed to achieve a performance that exceeds grep (due to pre-calculation)
Project link: <https://github.com/sergalb/cpp-third-term/tree/master/SubstringFinder>
- Educational android-apps
Stack: Kotlin, Multithreading, REST
Project link: <https://github.com/sergalb/android-2019>
- Prize-winning in math olympiads - "Rosatom", "Phisteh", "OMMO", "Future researchers - the future of science"