

NIKITA MITTCEV

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muldrik

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EDUCATION

Saint Petersburg State University
Computer Science and Math

2020 - 2023

Constructor University Bremen
Computer Science

2023 (expected)

EXPERIENCE

Intern Java/Kotlin developer - Yandex

July 2022 - Dec 2022

Had done the following in the development tools department:

- Worked on developing an IntelliJ plugin to support all internal development tools in IDEs
- Worked on a Java Spring backend for an internal software hosting service.
- Implemented a performance-oriented request rate limiter for a distributed system of Java servers.

Kotlin development - JetBrains spring internship

February 2022 - May 2022

Worked on developing and integrating a profiling system for **Projector** technology. It allows running and accessing Swing applications remotely, such as JetBrains IDEs

PROJECTS

Kotlin compiler plugin for static analysis

Feb 2022

- Created a Kotlin compiler plugin to calculate combined field sizes for data classes in compile-time
- Provided easy integration with existing projects using Gradle

Technologies: Kotlin/Kotlin compiler, Gradle

Typechecker for polymorphic lambda calculus

Feb 2022

- Created a typechecker and type inference system for System F (polymorphic lambda calculus)
- Supported all kinds of shadowing for proper theory modeling

Technologies: Haskell

IntelliJ word completion plugin

May 2021

- Created an IntelliJ plugin implementing auto-completion for words from an English dictionary
- Followed modern IntelliJ plugin guidelines to ensure correct integration with other plugins and leave room for feature addition

Technologies: Kotlin, IntelliJ platform

SKILLS

Rust

C++

Java

Kotlin

Python

Haskell

Coq

PostgreSQL

Git

Linux

Algorithms and data structures

LANGUAGES

English C1

Russian

ACHIEVEMENTS

- 2022 - Candidate master on **Codeforces**
- 2020 - **Winner, 42 place out of 817**
All Russian Open olympiad in informatics
Saint Petersburg, Russia
- 2020 - **Prizewinner, 43 place out of 507**
SPbSU olympiad in informatics
Saint Petersburg, Russia

EXTRACURRICULAR

- 2021 - Helped in training high school students for All Russian olympiad in programming
- 2019 - Participated in a student exchange program with Swedish high school to improve English speaking skills
- 2018 - European pool championship U17 bronze winner