

# Mariia(Mary) Feofanova

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## EDUCATION

- **Moscow Institute of Physics and Technology [planning to go]** Moscow, Russia  
*Master's degree in Computer Science* Sept. 2020 - Aug. 2022
- **The Yandex School of Data Analysis** Moscow, Russia  
*Big Data Infrastructure* Sept. 2019 - Aug. 2021 (Present)
- **Moscow Institute of Physics and Technology** Moscow, Russia  
*Bachelor of Applied Mathematics and Computer Science* Sept. 2016 - Aug. 2020 (Present)

## EXPERIENCE

- **Google LLC** London, UK  
*Software Engineering Intern, Android App Compat team* July 2019 - Sept. 2019  
[GoLang](#) [Java](#) [Android](#) [C++](#) [Protobuf](#) [SQL](#)
  - Analyzed statistics about Android API usage and wrote design documentation.
  - Implemented its integration with Android source code presubmit checker to prevent breakage of popular apps.
- **Moscow Institute of Physics and Technology** Moscow, Russia  
*Teaching Assistant, "Theory and Practice of Concurrent Computing" course* Feb. 2019 - May 2019  
[C++](#) [x86 Assembly](#)
  - Reviewed students' code.
  - Held weekly theory homework defences.
  - Added more tests for checking students' solutions.
- **JetBrains s.r.o.** Moscow, Russia  
*Software Engineer, RubyMine team* Oct. 2018 - Feb. 2019  
[Java](#) [Ruby](#) [Ruby on Rails](#)
  - Added new extract options (substring, heredoc) to refactoring, made name suggestions less error-prone.
  - Improved Rails-specific refactoring: model fields, associations support.
- **JetBrains s.r.o.** Moscow, Russia  
*Software Engineering Intern, RubyMine team* Jul. 2018 - Aug. 2018  
[Java](#) [Ruby](#)
  - Developed new intentions and inspections for RubyMine IDE.
  - Improved parameter refactoring system: added new parameter type choosing option, made smarter invocation points search, restructured preview UI with respect to class hierarchy.

## PROJECTS

- **InclickDB** Moscow, Russia  
May 2019  
[GoLang](#) [Python](#) [Grafana](#) [Graphite](#) [ClickHouse](#) [InfluxDB](#)

Investigated possible solutions to a problem of migrating from InclickDB to ClickHouse for a monitoring system with tagged metrics. Contributed to open-source code by teaching myself GoLang to create tag support in existing solution: [pull-request](#).
- **MyChief** Moscow, Russia  
Nov. 2017  
[Java](#) [Android](#)

Learned Android and implemented all structure and internal code logic (activities, fragments, lru cache) of mobile app that can search for recipes with ingredients entered by user, collaborated with a team of 3 students.

## ACHIEVEMENTS

- **[Hackathon] Photo Lab Live Challenge: Go Viral or Go Home - I place** Moscow, Russia  
Nov. 2018  
[Python](#) [web.py](#) [Heroku](#)

Developed backend for photo filter that changes clothes style, having only 48 hours was able to quickly learn python framework and to deploy MVP.

## PROGRAMMING SKILLS

- **Languages:** C++, Java, GoLang, Python, F#.
- **Technologies:** SQL, Git, L<sup>A</sup>T<sub>E</sub>X, Android, Docker, TLA+, PlusCal, Python frameworks (numpy, pandas, sklearn).
- **Knowledge:** Algorithms, Data Structures, Concurrent Computing, Distributed Systems.