

ROMANENKO DEMIAN

GitHub: [DRomanenko](#)

Email: dem.romanenko@gmail.com

EDUCATION

2018-2022

ITMO UNIVERSITY

Saint Petersburg, Russia

Bachelor of Computer Science,

[Applied Mathematics and Computer Science](#)

PROGRAMMING TECHNOLOGIES

- **Java**

I have experience with network, [multithreading](#), Maven, Gradle, [Tesseract OCR](#), [OpenCV](#), OSGi, Spring, JUnit;

- **Kotlin**

For half a year I developed mobile applications that used a diverse stack of technologies - networking and databases, animations, tests (JUnit, Mockito, Robolectric, Espresso), coroutines;

- **Python/Jupyter**

I use it for [machine learning](#) and [recommender systems](#);

- **Bash/Bat**

I have experience in writing scripts to interact with the system;

- **Haskell**

I know about the concepts of higher order functions, pure functions, immutable state, lambda evaluation, lazy evaluation, currying, monads, comonads, and others.

- **C++**

I mainly use it to implement [algorithms](#), and also passed an advanced course at the university.

- **Parsers**

I have experience in writing parsers, parser generators, as well as using ready-made generators: [Happy](#) (haskell), [ANTLR](#) (java);

- **Cryptography**

I know basic cryptography, e.g. Grey codes, digital signature, AES, Merkle tree, UTXO set, etc.

EXPERIENCE

[SoftWerke](#)

- SOFTWARE ENGINEER

2021

[Intellect Center](#)

- JUNIOR TEACHER

2020

PERSONAL PROJECTS

- Analysis of photo, video and audio material for the first decryption encoded message and labyrinth generation for Yandex LLC. [Learn more](#).
- Report and implementation about [Utreexo](#).

LANGUAGES

Russian - Native / English - Intermediate