

# ROMANENKO DEMIAN

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## EDUCATION

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2018-2022  
ITMO UNIVERSITY Saint Petersburg, Russia  
Bachelor of Computer Science, [Applied Mathematics and Computer Science](#)

## PROGRAMMING TECHNOLOGIES

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- **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

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<a href="#">SoftWerke</a>	- SOFTWARE ENGINEER	2021
<a href="#">Intellect Center</a>	- JUNIOR TEACHER	2020

## PERSONAL PROJECTS

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- 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

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Russian - Native / English - Intermediate