Korolev Daniil

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[github.com/Danielto1404](https://github.com/danielto1404)

**TECHNICAL SKILLS**

Programming Languages:

* Advanced in **Java, Swift , Python, Haskell**

Familiar with **C++, Obj-c, Kotlin**

Frameworks:

* **Java: Junit, Dotplugin.**
* **IOS: Alamofire, IGListKit, Firebase, Lottie, MapBox.**
* **Haskell: HUnit, GTK::Haskell, optparse-applicative.**
* **Python: numpy, pandas, sklearn, pytorch, implicit, catboost, word2vec.**

Working experience: **git**

**EDUCATION**

**ITMO University, St. Petersburg**Bachelor in Applied Mathematics and Informatics

*2018—2022*

Relevant Coursework: ML, Recommender Systems, *Algorithms and Data Structures, Computer Architecture, Discrete Mathematics, Programming Paradigms, iOS VK course, C++ course, Java course, Maths logic, Operating systems, Haskell course, CTF Reverse course, Translation methods course*

**Presidential Physics and Mathematics Lyceum №239, St. Petersburg**

**WORK EXPERIENCE**

[**Sixhands.co**](https://www.sixhands.co/)

*August 2020**—October 2020*

Mobile ios application development for renting premises: [Localchair](https://apps.apple.com/ru/app/localchair-%D0%B0%D1%80%D0%B5%D0%BD%D0%B4%D0%B0-%D1%80%D0%B0%D0%B1%D0%BE%D1%87%D0%B8%D1%85-%D0%BC%D0%B5%D1%81%D1%82/id1514511527)

* Using Alamofire.
* REST Api
* Using MVP pattern with router.

[**OK.ru**](https://ok.ru/)

*October 2020 — January 2021*

Upgrading mobile application for OK.ru social network. Implementing ad in feed, fix bugs.

* OK ios SDK,
* Instagram IGListKit framework.

**Projects**

**Utrexoo [Java]**[source code](https://github.com/Danielto1404/UTXOSet)UTXO set compression for crypto coin.

* Represent forest of Merkle trees, validates transaction.
* Accept proof of transaction as optional value.
* Accept saving proof of transaction.
* Tracking of changes in forest.

**IRLKiller [Swift]** [source code](https://github.com/B1boid/IRLKiller)More information in README.md file in source code link.

**ML algorithms [Python]** [source code](https://github.com/Danielto1404/University/tree/master/ML)More information in README.md file in source code link.

**More projects and University tasks on** [**github.com/Danielto1404/Univeristy**](https://github.com/Danielto1404/University)