

ARTEM YURCHENKO

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EDUCATION

ITMO University, Saint Petersburg, Russia

2017–2021

- Bachelor's degree with honours in Computer Science
- GPA: 4.93/5.00
- *My thesis project* “Automatic Effectful Concurrency with Free Monads” won 2nd place in the **ICFP 2021** Student Research Competition.

SCHOLARSHIPS

- *Saint Petersburg Government Scholarship* for success in studying
- ITMO Scholarship for success in studying
- ITMO Scholarship for winning programming and computer science competitions

EXPERIENCE

Nethermind

Jun 2021–Present

Software Engineer

- Built *Warp* — a transpiler from Ethereum's Solidity to StarkWare's Cairo — using **C++** and **Python**. Warp helps to scale **Ethereum** applications by offloading computation to StarkNet.
- Started working on formal verification of preservation of semantics through the transpilation process.

ITMO University

Sep 2020–Present

Teaching Assistant

- Checked assignments and did code reviews for the following courses: **Java**, **Databases** and **Haskell**.
- Gave several lectures for the Haskell course.

Serokell

Aug 2020–Dec 2020

Software Engineer

- Developed tools for the *Tezos* project (blockchain, Haskell eDSL) in **Haskell**
- Developed an LSP-server for the *LIGO* language in **Haskell**.

JetBrains

Jul 2019–Dec 2019

Software Engineer Intern

- Worked on improving the usability of the projectional editor on *the MPS* team. The **MPS** is a platform to create and use DSLs, free from grammars.
- Used **Java** and MPS-specific DSLs to accomplish the task.

JetBrains

Aug 2018–Sep 2018

Software Engineer Intern

- Worked on a C/C++ **compiler frontend**, written in **C++**.
- Added support for C++ constructs, such as namespaces, “using directives”, name lookup etc.

OTHER EXPERIENCE

- *Several contributions* to *Equake*—a drop-down console written in **Emacs Lisp**.
- Wrote *git-fast-reword*: “Reword your commits without rewriting a file tree”.
- Wrote a *TFTP implementation* in **C**
- Second Prize Diploma at the International Student Team Online Competition in Mathematics, organized by the University of Silesia, 2020, Katowice (Poland).
- Participation in the final, national stage of the Russian Olympiad in Informatics, 2017, Innopolis and prizes in all previous stages.

CONTACTS

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