

ARTYOM FARTYGIN

Software Engineer

@ fartygin.a@phystech.edu

+7 963 061 20 44

temikfart

temikfart

LinkedIn

Russia, Dolgoprudny

EXPERIENCE

Assistant Engineer C++

Huawei – System Engineering Lab

Summer Internship 2022

 Huawei RRI

- Developed 3 detectors of inefficient code (**Static Analysis**). Two of them analyze **LLVM IR** and look for idioms (**Idiom Detection**). All the programs are used in the company.

Backend Developer Ruby on Rails

LLC «TeleProvodnik»

3 months

 TeleProvodnik

- Modernized an outdated geoportal which was developed 10 years ago. I updated the language and framework versions to modern ones, restored API services.

PROJECTS

SQL to CypherQL Converter C++

Open-Source project – Data Migration Tool

February – May 2022

 sql2cypher

- Microsoft SQL (Relation DBMS) queries translation into CypherQL language (Graph DBMS neo4j);
- Development according to Agile (Scrum) in the team of two;
- Technology stack: git-flow, GoogleTest, Doxygen, CI, graphviz, CMake;
- Implemented configuration and logging systems for the application, queries syntax analyzer (building AST), also, query translator.

PDP-11 Emulator C

Coursework at MIPT

April – July 2021

 pdp11-emulator

- Coursework was done according to professor's specifications;
- Developed an extensive functionality: a lot of commands, processor state word, etc.

CERTIFICATES AND DIPLOMAS



Participations in two international olympiads on astronomy IOAA and IAO



Successful course completion C++

Coursera – «Development basics in C++: Yellow belt»



Successful course completion Agile

Coursera – «Agile with Atlassian Jira»



Successful course completion Java

JetBrains Academy – «Java for beginners»

EDUCATION

University Degree

MIPT, Bachelor

September, 2020 – July, 2024

3rd year student at phystech-school of applied mathematics and informatics



Secondary Education

LORD lyceum

September, 2009 – June, 2020

Graduated with honors

SKILLS

- Main development languages

C++ – LLVM, STL, Standard library, etc.

C – Standard and POSIX libraries.

Python – Automated Web UI-testing via Selenium WebDriver (PyTest, unittest)

Ruby – basic knowledge and creation of simple Web applications via Ruby on Rails

Java Kotlin Go – basic knowledge

- Had work experience

LLVM – writing analysis passes for LLVM Opt, comprehension of most LLVM IR instructions

SQL – Microsoft SQLS (Relational DBMS)

CypherQL – neo4j (Graph DBMS)

CMake Make – cross-platform compilation of files in C and C++ languages

GoogleTest – Unit-testing (C++)

Doxygen – code documentation

PDP-11 Assembly Bash MD LaTeX

- Tools and approaches

GitHub GitLab Jira Agile git-flow

LANGUAGES

- English – Pre-Intermediate