

Ilya Balashov

GitHub
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Education

Saint Petersburg State University – Faculty of Math and Mechanics

BSc, Software and Administration of Information Systems, GPA 4.91/5.00

Sep. 2017 – Jul. 2021

Saint Petersburg, Russia

Experience

Research Intern, JetBrains Research

Partial evaluation research in Programming Languages and Tools lab

Oct. 2019 – Apr. 2021

Saint Petersburg, Russia

- Implemented experiments on partial evaluation (C++, CUDA/OpenCL, custom DSLs and LLVM IR)
- Developed benchmarks on graph algorithms performance (SuiteSparse GraphBLAS)
- Modified Clang slightly for partial evaluation framework support
- Finishing bachelor thesis "Partial Evaluation Of Linear Algebra Algorithms" and a paper for SYRCoSE

Projects

TRIK Gamepad Android application modification

Google Play (Beta branch)

Jun. 2019 – Aug. 2019

- Implemented several new screens and remade networking code
- Covered code with different types of tests
- Connected with Circle CI

Testing system for TRIK robots programs

Github

Feb. 2019 – Jun. 2019

- Connected TRIK robot simulator with Travis CI
- Implemented the ability to use simulator as cloud-based testing system

Google Drive integration plugin for REAL.NET visual programming environment

Github

Sep. 2018 – Dec. 2018

- Implemented .Net-based plugin with file managed functionality
- Connected plugin with Google Drive

Skills

Programming Languages and Technologies: C/C++ , Linux, SQL, Git, CUDA/OpenCL (university courses), Docker, familiarity with Java/Kotlin, Haskell, .NET stack

Languages: Russian (native), English (B2, Upper Intermediate)