

Shestakov Denis

EDUCATION

HIGH SCHOOL OF ECONOMICS (SAINT-PERESBURG)

APPLIED MATHEMATICS AND
COMPUTER SCIENCE

Sep 2020

Saint-Petersburg, Russian Federation

LINKS

Github: Deuqz

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COURSEWORK

GRADUATE

Algorithms and data structures

Programming in C++

Python

Working with Git and GitHub

Unix Tools and Scripting

Formal languages

Functional programming

SKILLS

PROGRAMMING

C++ • Python • Java • Haskell
Bash • L^AT_EX

EXPERIENCE

C++ PROJECT | CRM SYSTEM

Group project with C++ language in university. This application can be used by managers for recording clients and their data for working. My personal tasks:

- Building an application architecture.
- Creating a server using gRPC technology.
- Interaction with the database using MySQL.

GitHub link: <https://github.com/Deuqz/CRM-system>

PARSER, ANTLR | FORMAL LANGUAGES PROJECT

Group project of Formal languages course in university. Own programming language was created. We should parse it and support in IDE Visual Studio Code. Tasks:

- Creating a specific syntax
- Development writing rules and grammar
- Implementation of the parser with Python language with ANTLR technology

GitHub link: <https://github.com/Deuqz/Formal-languages-project>

C++ | VECTOR REALIZATION

Personal laboratory work. The main purpose is realizing own version of vector with support of different cases. GitHub link:

<https://github.com/Deuqz/Vector>

HASKELL LIBRARY | LAMBDA CALCULATOR

Personal course work using Haskell functional language. The aim of the work is to create a lambda calculator. It is a library that allows β -reduce lambda terms and help solve the issues of their $\alpha\beta$ -equivalence.

- Development of all standard functions and algorithms.
- Parsing expressions with using Parsec library.

GitHub link: <https://github.com/Deuqz/Lambda-Calculator>

JAVA | GIT

Personal laboratory work. Realize own git implementation for work in local directory. GitHub link: <https://github.com/Deuqz/MyGit>

C++ | TIC TAC TOE + TESTING FRAMEWORK

Personal laboratory work.

- Developed a game of tic-tac-toe in the console
- A library was developed to test the game.

GitHub link: <https://github.com/Deuqz/CPlusPlus-Project.tic-tac-toe>

AWARDS

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|------|----------------------|-------------------------------|
| 2020 | second-grade diploma | Phystech Mathematics Olympiad |
| 2021 | ICPC | Second tour |