

IBRAHIM AHMAD

+7-911-016-06-81 — iahmd01@gmail.com — github.com/A-Ih — t.me/ahmad1337

EDUCATION

ITMO University
Bachelor in Applied Mathematics and Informatics

Saint Petersburg, Russia
expected graduation: June 2024

WORK EXPERIENCE

Intel summer internship

Intel

July 2021 - September 2021

C++, ISPC

Applied C++ in graphics software.

Yandex DeepDive internship

Yandex.Market

February 2022 - June 2022

C++, Python, shell

Worked with two infrastructure teams. In the first I have written a config validator and refactored some integration tests. In the second team I was helping in implementing and testing an internal library (and also did minor refactorings in business logic).

PROJECTS

Big precision integer arithmetic

Assembler

March 2020 - April 2020

An implementation of basic 8192-bit unsigned arithmetic operations — addition, subtraction and multiplication. The size of the integer can be changed at compile time.

Arbitrary precision integer arithmetic

C++

May 2020 - July 2020

I implemented a class which provides an interface to work with arbitrarily large integer numbers.

Online chat

Java (Spring) + Vue.js

January 2021

I made a basic webchat with ability for users to make an account, sign in, send public messages and reply to one another.

Proof converter

C++

July-August 2022

Highly efficient ($\mathcal{O}(N \cdot C)$, where C is time needed to compare two longest expressions) proof converter (from Hilbert style to natural deduction). All components (tokenizer, recursive descend parser, AST) are written from scratch and tested individually via unit-tests.

SKILLS

Tools

Linux, CLion, IntelliJ Idea, tmux, neovim (C++, latex, haskell, scripting etc.)

Programming

C++, Java, Python, Bash, JavaScript. A bit of Haskell and NASM

Frameworks

GoogleTest, a slight acquaintance with PyTest, Spring, Vue.js

Other

git, ssh, graphviz, Latex, HTML, CSS, gnuplot

Languages

Russian (Native), English (Advanced)