

# MARK GONCHAROV

Software developer

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## MAIN INFORMATION

1. **MIPT** - second grade:
2. **9.43** - average mark
3. **ILab** - finished 1<sup>st</sup> and 2<sup>nd</sup> grade courses
4. **Table tennis** - member of main squad of MIPT's team

C/C++	
OpenCL/DPC++	
SFML	
Socket	
Flex/Bison/LLVM	

## PROJECTS

ILab-2	<b>OpenCL/DPC++</b> Realization on GPU algorithms: bitonic sorting, searching for string's patterns and solving inner Dirichlet's problem. Also in SYCL folder I rewrote this using oneAPI DPC++ for education purposes.	github: <b>ILab</b>
ILab-1	<b>SFML</b> Race game, where you can play with friend either one PC or network playmode. In this game you can create your own map and racing on it!	github: <b>BuildAndRun</b>
Microntroller	<b>AVR</b> Measuring distance on ATmega8535 using avr-gcc. We programmed Ultrasonic Sensor HC-SR04 and transferred data from MC to computer through UART - communication protocol.	github: <b>Microcontroller</b>
Comp/tech	<b>Server</b> Server was developed on pure C. Has: pseudo-terminal support, TCP-UDP connection switch, working in daemon mode, isolation of clients and many other features.	github: <b>Server</b>
ILab-2	<b>Flex/Bison/LLVM</b> Realization of ParaCL language (folders Language and LLVM). Conditions and cycles were realized. Compiling to LLVM IR is writing now.	github: <b>ILab</b>

## LANGUAGES

**English** - finished Pre-Intermediate.

## HOBBIES

- Playing **guitar/piano**.
- Training on section of **table tennis**.
- On summer time going **hiking** on mountains.
- Often go **ice-skating** and reading books on psychology.