

MARK GONCHAROV

Software developer

📍 MIPT
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MAIN INFORMATION

1. **MIPT** - second grade:
2. **9.43** - average mark
3. **ILab** - finished 1st and 2nd 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	OpenCL/DPC++ 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: ILab
ILab-1	SFML 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: BuildAndRun
Microncontroller	AVR 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: Microcontroller
Comp/tech	Server 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: Server
ILab-2	Flex/Bison/LLVM Realization of ParaCL language (folders Language and LLVM). Conditions and cycles were realized. Compiling to LLVM IR is writing now.	github: ILab

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.

WHY DO I WANT TO WORK FOR HUAWEI?

1. I want to get **work experience** during educational process.
2. Want to determine the **direction of professional development** - look at different parts of creating a project
3. **Applying** the acquired knowledge in linear algebra, UNIX OS, compiling process.