

Artem Belous *August 27, 1992*

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Summary

I was born in Moscow on August 27, 1992.

I graduated from Lunacharsky gymnasium 5 in Vladikavkaz, North Ossetia, with honors and entered Faculty of Physics of Lomonosov Moscow State University in 2009. In 2012 I started working in Department of Acoustics under the supervision of Doctor of Science (Ph. D. analog) Andrey V. Shanin. My graduation work was on medical ultrasound, its title was "Detection of small discrete scatterers in presence of speckle and quasi-static elastography in rubber-like media". Right now I have a Specialist degree in Funda-

mental Radiophysics and Physical Electronics and I am a PhD student under supervision of Doctor Shanin.

While being a student and postgraduate student I had several part-time jobs which helped me to gain a little experience in designing embedded solutions, System-on-Chip devices, desktop programming and even in car repairs. Natural languages: Russian (mother tongue), English (working proficiency), French (beginner).

I have no pernicious habits, go to the gym, like skateboarding and cycling.

Experience

[Align Technology](#)

C++ developer

Align Technology delivers clear aligners - a novel method of bite correction as an alternative to braces. The aligners are 3D printed teeth caps used to move the teeth to the desired position. In this company, the treatment program is built mostly automatically, and I work on this treatment automation.

MOSCOW, RUSSIA

Jun '18 – present

[Michelin Tire Co.](#)

Research Intern

Michelin is a world leader in tire production and they have research department in Japan, Gunma province. I have spent 6 months working in this department as an intern on tire noise reduction.

OTA-SHI, GUNMA-KEN, JAPAN

Sep '17 – Mar '18

[MSU Physical Faculty](#)

PhD student

My PhD work is mostly experimental. In this work it was planned to develop a special sound-absorbing material within the cooperation with Saint-Gobain company. We have developed a model for such a material working for 1D. Within this cooperation we have built two experimental set-ups: an impedance tube and a Bruel Kjaer Omnisource analog and developed techniques for investigation of acoustic properties of materials. Right now this cooperation is finished.

We have conducted several experiments using Maximum Length Sequence technique. Right now I have two articles on this topic published and one more awaiting approval.

MOSCOW, RUSSIA

Mar '15 – present

[Rosta Ltd.](#)

FPGA Engineer

Rosta Ltd. is a Russian company providing system integration services and developing high performance computing systems. Right now they are designing Xilinx Virtex FPGA products and their latest product is a reconfigurable supercomputer based on FPGAs. This computer has an interconnect part controlled by Xilinx Zynq system and that is what I was working on.

MOSCOW, RUSSIA

Jun '14 – Dec '15

[VNIIFTRI](#)

Technician

VNIIFRTI is a Russian institute performing metrology and standardisation. It is where the Russian measuring standards are stored (the standard second, meter, etc.). I worked with Bruel Kjaer Pulse System for acoustic measurement as a summer job. I was building a device for measuring reverberation time in air for different conditions. The data was processed with VBA, Matlab and Pulse built-in mathematical programming language.

MENDELEEVO, MOSCOW REGION, RUSSIA

Apr '13 – Aug '13

[MSU Engineering Center](#)

FPGA Engineer

I participated in a scientific project on building multi-processor multithreaded system model on FPGA (such models are normally made on FPGAs) using concepts of so called "light threads" and "smart memory". My responsibility was the interconnect system. Interconnect is the system of information exchange between the processor cores. This participation was very useful for me and I got a huge experience.

MOSCOW, RUSSIA

Oct '11 – Mar '13