

ALEKSEI BELONOVSKII

PhD, Senior Software Engineer

 [abelonovskii.github.io](https://github.com/abelonovskii)

 [aleksei-belonovskii](https://www.linkedin.com/in/aleksei-belonovskii)

 aleksei.belonovskii@gmail.com

 Montenegro

SKILLS

Phononics

Spectroscopy

Quantum Optics

Academic Writing

Numerical Simulation

Laboratory experience

Light-matter interactions

Condensed matter physics

MATLAB

Mathematica

COMSOL

C#

Python

C++

MySQL

PostgreSQL

MS SQL

LANGUAGES

English

Russian

PUBLICATIONS

My website

ResearchGate profile

Web of Science profile

ABOUT ME

Research Scientist in condensed matter physics with a PhD awarded in 2021. I am an author and co-author of about 30 peer-reviewed scientific publications. Concurrently, I have 7 years of experience in software development and engineering. I am delighted to apply my knowledge in physics and software engineering to work on innovative projects. My experience in both fields allows me to approach problems from multiple perspectives.

EXPERIENCE

Senior Software Engineer | [Tungsten Automation \(Kofax\)](#)

 10 2021 – Current


Working in the Emergency Response Escalation Team for various R&D departments.

Researcher | [ITMO University & Alferov university](#)

 06 2019 – 06 2022 & 09 2020 – 05 2022

Pursued scientific research in photonics and quantum optics, actively participated in grant-funded projects, published scientific papers, and was an active participant at international photonics conferences.

Researcher | [C# / WPF Desktop Software Developer](#) | [RIVS](#)

 05 2017 – 10 2021

Conducted research in X-ray fluorescence analysis. Developed C# software for automating X-ray analysis and factory equipment management.

Engineer | [Ioffe Institute](#)


 10 2016 – 05 2017

Studied black hole physics.

EDUCATION

PhD, Condensed Matter and Materials Physics


[ITMO University & Alferov university](#)

 2017 – 2021

 Saint Petersburg , Russia

Master's degree, Theoretical and Mathematical Physics


[Alferov university](#)

 2015 – 2017

 Saint Petersburg , Russia

Bachelor's degree, Astrophysics

[Peter the Great St.Petersburg Polytechnic University](#)

 2011 – 2015

 Saint Petersburg , Russia