

# ALEKSEI BELONOVSKII

PhD, Senior Software Engineer

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

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 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