

Dr Vitalii Shkoldin

Data Analyst | Data Scientist

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As a skilled physicist and programmer, I possess a unique ability to quickly learn and excel in cutting-edge fields, even those not yet widely known. My strong analytical skills, coupled with a deep understanding of scientific principles, enable me to successfully navigate uncharted territories and solve complex problems in innovative ways.

Self-learned Courses

- Data Analyze and statistics ([1](#), [2](#), [3](#) )
Pandas, sklearn, logic, statistics
- Python basics and application ([1](#), [2](#) )
Python, algorithms
- SQL for Analytics ([Karpov.Courses](#) )
Data aggregation, combine, metrics
- Cloud service engineer ([Yandex](#) )
AWS and DevOps basics on Yandex cloud platform

Work Experience

ITMO University & Alferov University

One of the leading universities in the field of nanophotonics and semiconductors in Russian.

May 2017 - Dec 2022 | Research engineer & PhD student

I have conducted research in a **niche area**, investigated by only a few cutting-edge scientific groups. I have set up experimental equipment, carried out measurements, and, based on this research, authored over **20 articles**, including **6 in Q1 journals**. I have also **supervised student projects**. Additionally, I have successfully **defended my Ph.D.**, **secured 5 grants**, and received several awards and scholarships for my accomplishments.

“NT-SPb”

The company NT-SPb is a scientific equipment manufacturer specializing in atomic force microscopy and a spin-off of the global giant NT-MDT.

May 2018 - Sep 2022 | Engineer

- Business trips and remote microscopes installation
- Custom improvement of microscopes

Small internet provider 2012-2016

- Administration & billing

Online Pet Store 2009-2011

Worked at an online pet store with the best courier delivery service in St. Petersburg (precision up to 30 minutes).

- Online store from server to design
- Odoo (ERP-system) (setting up and administration)
- Coupling with transport logistic system for delivery, delivery time-planning, SMS-notification

Skills

Python, Pandas, Sklearn,
Matplotlib, Seaborn, SQL,
Algorithms solving
DevOps, AWS,
BASH, Linux (advanced), GIT

Education

Ph.D. in Physics

Condensed-matter physics
June 2022 | ITMO University

M.Sc. & B.Sc

Electronics and nanoelectronics
2011 - 2017 | St. Petersburg
Polytechnic University

Languages

- English
- Russian (native)
- Hebrew (in study)