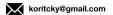
# KORITSKIY NIKITA

Data Science student & **Quantum Physics researcher** 











@koritcky

## RESEARCH EXPERIENCE

# Machine Learning in Quantum Physics

**Russian Quantum Center** 



Oct 2019 - Ongoing

- Applying generalized Learning by Confusion algorithm for phase transition detection in ferrimagnetic materials
- Developing GAN inspired algorithm for quantum hamiltonian learning in spin chains

## Quantum optimization

**Russian Quantum Center** 



June 2019 - Oct 2019

Created an algorithm for financial portfolio optimisation using combining approach of classical bipartition, semiclassical SimCIM and quantum D-wave annealer

### **PUBLICATIONS**

 Koritskiy N., Kiktenko E. et al. (2020). "GAN-inspired algorithm for hamiltonian learning" poster at the Summer School of Machine Learning at Skoltech

## **GRANTS & ACHIEVEMENTS**

- · Russian Science Foundation grant
- MIPT scholarship for excellent study
- 1st place at the Quantum Hackathon
- Academic University sponsor's scholarship for excellent
- Saint-Petersburg government grant to students for studying success

# SCHOOLS & CONFERENCES

- International School on Quantum Computing
- Summer School of Machine Learning at Skoltech
- V International Conference on Quantum Technologies
- 1st Science School of Quantum Communications

#### **EDUCATION**

## MSc in Data Science

Skoltech

https://koritcky.github.io/



able 2020 - Ongoing

### BSc in Applied Mathematics and **Physics**

**Moscow Institute of Physics and Technology Academic University** 

**2016 - 2020** 

#### IT in management

**Graduate School of Management** 

**2013 - 2016** 

### **LANGUAGES**

Russian

English

# SKILLS & STRENGTHS

Python Mathematica Linux Git **Basic ML** Curiosity Perseverance Communicability

# MOST PROUD OF



## Courage I had

to switch a career in management to studying and doing research in physics



#### Persistence

in regular meditation, sport and reading practice



#### Inspiration

I gave to other people by mentoring and telling them about opportunities