

Shamil Iakubov : Email : yakubov.sha@gmail.com

Data Scientist, researcher, numerical modeler.

EXPERIENCE

- **shmyak.ai**

Data scientist

2020-Now

I developed and deployed several spot market cryptocurrencies trading bots. The different implementations are based on various reinforcement learning algorithms. Other projects included implementing custom reinforcement learning training loops for fine graded control of learning, and developing custom training environments using Unity.

- **Helmholtz-Zentrum**

Geesthacht, Germany

Researcher

2017 - 2020

I developed and applied supervised and unsupervised machine learning algorithms to optimize oceanic models. Published 4 peer-reviewed articles, 2 preprints, and 2 interactive jupyter notebook studies.

- **Institute of Oceanology**

Moscow, Russia

Research engineer

2014 - 2017

I studied waves and Arctic ecosystems, developed a diffusion-advection model of solutes and particulates transport in the ocean. Published 5 peer-reviewed articles.

PROGRAMMING SKILLS

- **Languages:** Python (Tensorflow, Keras, PyTorch, Numpy, Pandas, RLLib, tf-agents), Fortran, C#, MatLab
- **Technologies:** Ray, Unity, Unity-ML, Jupyter Notebook, GCS, CMake

MACHINE LEARNING AWARDS

- **Top 2% solution in the Featured Simulation Kaggle Competition "Lux AI":** Ranked 19th out of 1186 teams as a solo participant ([team shmyak](#)). The solution is based on imitation and distributed reinforcement learning.

PUBLICATIONS

- [A google scholar profile.](#)

EDUCATION

- **Moscow State University**

Moscow, Russia

Specialist, Oceanography

2003 - 2008

Online courses: [Deep Learning specialization](#), [Machine Learning](#), [Bayesian Statistics](#).