# Nadezhda Kasimova

## Personal Data

**Place and date of birth**: Mytischi, Russia | 2 December, 1997
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## Education

**July 2021 Master in Computer Science**, **Moscow Institute of Physics and Technology (MIPT)**
Departmennt: Innovation and High Technology
Program: Venture capital investments and technology entrepreneurship

**October 2019 Reiforsment learning in Finance, Coursera**
Introduction to the fundamental concepts of Reinforcement Learning (RL) for applications for option valuation, trading, and asset management**.**

**July 2019 Bachelor in Computer Science**, **Moscow Institute of Physics and Technology (MIPT)**
GPA: 7.8/10
Departmennt: Innovation and High Technology
Program: Applied Math and Computer Science
Major: Computer Science
*Thesis: Detecting outliers in the time series*
Supervisor: Prof. Alexander Dainiak
Courses: Algorithms and Data Structures, Machine learning (in particularly Deep and Reinforcement learning), Discrete Math, Linear Algebra, Probability Theory, Mathematical Statistics, Stochastic Processes, Mathematical Analysis.

**Summer 2018 Speech Technology Center ML School**
Deep learning methods for analyzing sound, images, and audiovisual emotion recognition.

**Summer 2018 Math and Python for Data Analysis, Supervized Learning, MIPT & Yandex, Coursera;**
The most popular algorithms of Supervised Learning with their applications in different classification and regression problems.

## Work experience

**Vector investment, 2019 - now**

Working in a position of trading strategy analyst. Write code in Python for simulation trading algorithms.

**Business Digitalization Laboratory, 2018 - now**

Working at the problem of detecting outliers in the time series, using forecasting algorithms, neural networks and other machine learning methods.

**Sphere of education, 2016 – 2018:**

Tutoring in olympiad mathematics and informatics, preparation for the passing of school exams.

**ABBY LINGVO, 2015-2016**

Testing of ontological research.

## Projects:

**Audio sound classifier, github.com/nkasimova/Acoustic-Events-Classifier**

Classification of acoustic events using librosa library for mel-frequency cepstral coefficients (mfcc) extraction and neural network, Python.

**Splash Geometry, github.com/nkasimova/SplashGeom**

Library for solving various geometric problems: finding the intersection point of segments and circles, constructing a convex hull (Jarvis algorithm), constructing a Voronoi diagram, C++.

## Skills:

**Programming Languages**: Python, R, C++/C, SQL

**Data Science**: numpy, pandas, sklearn, experience in kaggle (in-class) competitions

**Big data**: classroom experience with HDFS, HIVE, Map Reduce (nkasimova/Multiprocessor-Computing-Systems)

**General**: knowledge of OS (Windows, Linux)

**Languages**: English – upper-intermediate, Français – Niveau survie, Russian – native speaker