

Polina Ivanilova

ML Engineer

141 Glenmanor way, Thornhill
Canadian Citizenship

(647) 571 - 1309

ivanilova@email.com

GitHub Profile

LinkedIn Profile

TECHNICAL SKILLS AND INTERESTS

Languages : Python, C++, SQL
Technologies : Tensorflow, Keras, PyTorch, SciKit Learn, Numpy, Pandas, OpenCV, SpaCy, NLTK
Tools : Maya, Visual Studio Code, Git, Jupyter Notebook
Soft Skills : Communication, Adaptability, Teamwork, Conflict management, Organizational
Areas of Interest : Movies, Dancing, DnD

EDUCATION

• **MIPT — Moscow Institute of Physics and Technology Moscow** Sep. 2018 - June
2022 B.Sc. in Computer Science and Applied Mathematics Moscow, Russia

EXPERIENCE

• **MIPT Laboratory** Jan. 2020 - Aug. 2020
University research assistant Moscow, Russia
– Compiled and conducted a patent research report
– Familiarity with methods for research design, implementation, and analysis

• **Secondary school No. 10** Nov. 2020 - Feb. 2021
School Math Teacher Moscow, Russia
– Provided group tutoring (up to 25 students)
– Maintained students' progress and attendance reports

• **Self Employed** Sep. 2018 - Oct. 2022
Math Tutor Moscow, Russia
– Provided tutoring in small groups and individual sessions
– Monitored student performance and provided feedback for improvements

MACHINE LEARNING PROJECTS

• **3D Motion Capture** Mar 2023
CV project
– This project aims to to extract animation from a video shot by a normal webcam.
– Tools & technologies used: OpenCV

• **Detecting Hate tweets** Jan 2023
NLP project
– This project aims to detect hate speech in tweets using ML and NLP techniques.
– The dataset used for this project contains a collection of tweets labeled as hate speech or not.
– Tools & technologies used: TensorFlow, Keras, NLTK

• **Spam Classifier** Jan 2023
NLP project
– This project aims to create a spam classifier using NLP techniques.
– The dataset used for this project contains a collection of SMS messages labeled as spam or ham.
– A problem solved in two ways: using length and punctuation and message text processing.
– Tools & technologies used: Scikit-learn, XGBoost, SpaCy, Re

MACHINE LEARNING COURSES

• **Advanced Computer Vision with TensorFlow** Mar. 2023

• **Natural Language Processing specialization I** Jan. 2023 - Feb. 2023

PUBLICATIONS

• **"Newton's aerodynamic problem" (RUS)** S. Gorelov, P. Ivanilova (MIPT) 2022

VOLUNTEER EXPERIENCE

- **Hawthorn School for Girls**

Math Teacher

- Help students with math problems

Nov. 2022 - Feb.2023

North York, Ontario

ADDITIONAL ACTIVITIES

- **Manager of the swimming club in the University**

May 2020 - June 2022

- **Participant in the psychological club**

Sep. 2019 - May 2022

- Training on psychological assistance by the University.
- After volunteering as a mental health peer counseling consultant.