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# MIKITA SAZANOVICH

[Personal Website](#)  
[GitHub profile](#)

## EDUCATION

**Saint Petersburg, Russia**      **Higher School of Economics**      **Sep 2019-Jun 2021**

- Studying towards a Master's degree in Applied Mathematics and Information Science.

**Saint Petersburg, Russia**      **Higher School of Economics**      **Sep 2015-Jun 2019**

- Graduated with a Bachelor's degree in Applied Mathematics and Information Science with distinction.
- GPA: 9.9 out of 10.
- Coursework: Image Analysis, Web Searching and Ranging, Machine Learning I & II, Deep Learning Natural Language Processing, Speech Recognition and Generation, Reinforcement Learning, Parallel Programming, Databases, Building Database, Software Design.

## PROFESSIONAL EXPERIENCE

**Zürich, Switzerland**      **Research Intern**  
**Google Brain**      **Dec 2019-Apr 2020**

- Worked on both Brain Research and TensorFlow teams, researching novel directions towards increasing model capacity and its application to multi-task language representation learning.

**Toronto, Canada**      **Research Intern**  
**Uber ATG**      **Jul 2019-Sep 2019**

- Worked on self-driving research with the Advanced Technologies Group's R&D lab. In particular, explored domain adaptation methods for deep semantic understanding models. The idea was to adapt a model to perform uniformly in both the simulator and the real world.

**Los Angeles, United States**      **Software Engineering Intern**  
**Google Drive**      **Jun 2018-Sep 2018**

- Worked on developing debugging tools for Drive. I was conducting interviews with engineers regarding needed features, accordingly updating backend APIs, incorporating them into the debugging service and integrating with the frontend.

**Zürich, Switzerland**      **Software Engineering Intern**  
**Google Calendar**      **Jul 2017-Sep 2017**

- Worked on improvements and experimental features for the Calendar's meeting scheduling services for enterprise users. The project involved product discussions and algorithm design.

## ADDITIONAL EXPERIENCE

### Open Source Projects

- [Reinforcement Learning from Massive Human Demonstrations](#) — explored how different volumes of human demonstrations affect a DQN agent's performance in the Dota 2 environment. I discovered that the optimal volume is neither one nor all the demonstrations.
- [Domain Randomization for Improving Road Segmentation Trained on Simulated Data](#) — researched domain randomization technique for the better road segmentation model transfer from a simulator to the real world.
- [Reinforcement Learning Algorithms](#) — provided implementations of classic RL algorithms.

### Competitive Programming

- Placed at the top 10% and won a silver medal at The International Olympiad in Informatics 2015.
- Absolute winner of the Belarusian National Olympiad in Informatics 2015 and 2014.

## TECHNOLOGIES

- Languages: Python, JVM family (Java, Kotlin, Scala), C++, Haskell.
- Frameworks: TensorFlow, Keras, PyTorch.
- Libraries: NumPy, SciPy, Pandas, Scikit-learn, OpenCV, Matplotlib.
- Tools: PyCharm/IntelliJ IDEA, Jupyter Notebook, TensorBoard, Anaconda, virtualenv, Unix.