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# MIKITA SAZANOVICH

[Personal website](#)  
[Github profile](#)

## EDUCATION

**Saint Petersburg, Russia**      **Higher School of Economics**      **Sep 2019 (2 years)**

- Studying towards an MS degree in Computer Science.

**Saint Petersburg, Russia**      **Higher School of Economics**      **Sep 2015 (4 years)**

- Graduated with a BS degree in Computer Science with distinction.
- GPA: 9.9 out of 10.
- Coursework: Image Analysis, Web Searching and Ranging, Deep Learning, Machine Learning I, Machine Learning II, Natural Language Processing, Speech Recognition and Generation, Reinforcement Learning, Parallel Programming, Databases, Building Database.

## PROFESSIONAL EXPERIENCE

**Toronto, Canada**      **Research Intern**      **Jul 2019 (3 months)**  
**Uber**

- 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.

**Saint Petersburg, Russia**      **Researcher**      **Oct 2018 (9 months)**  
**JetBrains Research**

- Conducted research with the group in Agent Systems and Reinforcement Learning.
- 1st place in AI Driving Olympics II at ICRA 2019 by using a convnet for scene understanding.
- 4th place in AI Driving Olympics I at NeurIPS 2018 by using an end-to-end deep reinforcement learning model.

**Los Angeles, United States**      **Software Engineering Intern**      **Jun 2018 (3 months)**  
**Google**

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

**Zürich, Switzerland**      **Software Engineering Intern**      **Jul 2017 (3 months)**  
**Google**

- Worked on improvements and experimental features for Google Calendar's meeting scheduling services for enterprise users. 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++.
- Frameworks: PyTorch, TensorFlow.
- Libraries: NumPy, scikit-learn, OpenCV.
- Tools: PyCharm/IntelliJ IDEA, Jupyter Notebook, TensorBoard, Anaconda, virtualenv, Ubuntu.