nikitasazanovich@gmail.com
+1 (437) 241-3472

MIKITA SAZANOVICH

Personal website
Github profile

EDUCATION

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

- Starting a 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, Reinforcement Learning, Speech Recognition and Generation, Parallel programming, Databases, Building Database.

PROFESSIONAL EXPERIENCE

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

- Title: Research Intern.
- Working on self-driving research with the Advanced Technologies Group's R&D department.
- In particular, exploring domain adaptation methods for deep semantic understanding models.

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

- Title: Junior Researcher.
- Conducted research with the group in Agent Systems and Reinforcement Learning.
- 1st place in AI Driving Olympics II at ICRA 2019 by using a convent 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 **Google** **Jun 2018 (3 months)**

- Title: Software Engineering Intern.
- 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 **Google** **Jul 2017 (3 months)**

- Title: Software Engineering Intern.
- Worked on improvements and experimental features for Google Calendar's meeting scheduling services for enterprise users. Involved product discussions and algorithm design.

ADDITIONAL EXPERIENCE

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 Pretrained on Simulated** — researched domain randomization technique for the better road segmentation model transfer from a simulator to the real world. Paper is under review.

- **Reinforcement Learning Algorithms** — 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 (Java, Kotlin, Scala), C++.
- Frameworks: PyTorch, TensorFlow.
- Libraries: NumPy, scikit-learn, OpenCV.
- Tools: PyCharm/IntelliJ IDEA, Jupyter Notebook, TensorBoard, Anaconda, virtualenv, Ubuntu.