SERGEY POPOV

Juniour Data Scientist / ML Engineer

@ me@sergobot.me   ☎ +7-917-897-9456   📍 St. Petersburg, Russia   🔗 sergobot.me   in linkedin.com/in/sergobot

⊙ github.com/Sergobot

ACHIEVEMENTS

Google Code-In 2016 Grand Prize Winner

- Ported one of the KDE Marble plugins from XML data to JSON
- Added support of hiking routes in KDE Marble
- Also made smaller contributions to KDevelop and KDE Marble

Google Code-In 2014 Finalist

- Updated several packages in Kubuntu
- Fixed several issues in Plasma Media-center
- Also made smaller contributions to KDE Marble

EDUCATION / COURSES

BSc in Mathematics and Computer Science

Saint Petersburg State University

📅 Sept 2018 – June 2022 (expected)

cs231n Online Course by Stanford

cs231n.stanford.edu

📅 Mar 2020 – Apr 2020

Open Data Science Machine Learning Course

mlcourse.ai

📅 Sept 2019 – Nov 2019

LANGUAGES

Russian – Native

English – Advanced

SKILLS

Python   C++   Machine Learning   Linux   SQL   Git

FRAMEWORKS

Python

- **PyTorch**, Keras
- Sci-kit Learn, **CatBoost**
- Pandas, NumPy
- Matplotlib, Seaborn
- Flask, BeautifulSoup

PROJECTS

Implementing RL algorithms

- I have started this project in order to learn more about the current stage of Reinforcement Learning and how it works.
- There are already a few algorithms implemented (such as TD3 and Double DQN) and I plan to add more in the future.

Local Hack Day: Save the world

- Our team has won in the nomination "Forecasting the onset of epidemic waves" of COVID-19.
- My role was primarily to combine data from different sources, clean it up and build the model: we ended up using LightGBM and SIR simulation.

Lattice

- This is a research project aimed at finding percolation properties of different planar and volumetric lattices.
- I am working on it as part of studying at Saint Petersburg State University.

Paganini

- A small web app to split audio files into multiple channels, such as vocals, drums or bass.
- Powered by Spleeter, a source separation library by Deezer.

Halium port for Google Pixel XL

- Brought support of A/B slots in Android devices to the whole Halium project, making it easier to port to modern devices.
- Made Halium boot successfully on the Pixel XL by adapting Android Linux kernel.