



VOLNOV PETR

BACKEND/ML DEVELOPER, 19,
ITMO PMI 2ND YEAR STUDENT

ABOUT ME

My name is Volnov Petr, I am 19 years old, I study at the Department of Computer Science at ITMO University in St. Petersburg. In addition to studying, I have been engaged in machine learning and backend development using Python for 3 years and use my skills to create my own applications and services. In 11th grade we made the Terald application, a telegram client in the VK interface, which in December 2019 exceeded 1 000 000 users per month. Thanks to this application and the victory in a Russia wide project competition, I received a grant to study at university and was able to do my favorite thing.

Today I have experience of backend/ML development on Python, working with Sklearn, Pytorch, XGboost, with Tornado, Sanic asynchronous frameworks. Also have experience in developing PWA and Android applications in JavaScript (React).

ACHIEVEMENTS

- Первое место на хакатоне от компании Selectel (2019)
- Призер 6 всероссийских конкурсов научно-исследовательских работ за 2017-2019 годы
- Участие в международной конференции в Южной Корее

CONTACTS

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EDUCATION

- The Physiothec physiotherapy faculty of the Russian Academy of Sciences. Kapitsa P.L. - School | 2016-2019
- ITMO University - Department of Applied Mathematics and Informatics | 2nd year student
- IT Sumsung School - Android development | 2017-2018
- Tinkoff Fintech - Deep Learning destination | 2018 - 2019
- GeekBrains - Cyber Security Professional Profession | 2018-2019

WORK EXPERIENCE

Individual entrepreneurship / private practice / freelance

Worked as a freelancer at fl.ru, profile: <https://www.fl.ru/users/petr-volnov/>.

- Writing the image classifier of gymnastic elements for princessport company
- Collecting open data
- Parsing of trading platforms
- Creating telegram bots for server administration
- Asynchronous and multithreaded parsing of large data volumes in a short time (e.g. 10,300,000 goods from Digitkey, 430,000 from YaMarket).
- Bypass Inftifrod systems / rucapcha / selenium
- Working with PostgreSQL MySQL databases
- Configuring servers: git, docker, supervisor, bash
- Translated with www.DeepL.com/Translator (free version)

ElfinDay

ElfinDay is a startup that develops a service for finding holiday gifts.

- Backend project development (Python, Sanic, asincio, Postgres SQL, peewee, vk bot api, REST API),
- Gathering and updating the database of goods from online stores Goods, Beru, Ozon, Shop, Other Pores (Selenium, Grab, bs4, RuCapcha).
- Development of gift recommendation system (Pandas, Numpy, Sclearn, Catboost, uful udpipe)

Personal projects, work with hackatons

Bots for different sites (Supreme, Avito, Solebox, Bcinform, Fonbet/1xBet) - Seleniun, BeautifulSoup, RuCapcha, frod bypassing via cookies/User-Agent spoofing, google translation, imitation user behavior, js code injection, etc.

- Terald (Telegram client to view news feeds in VK interface, published in official Vk Mini Apps directory) - React, Redux, Tornado, Postgres SQL, VKApi, Vk UI, asyncio
- Cine Search Bot (Telegram bot for evening selection based on ML. algorithms) - XGboost, Pandas, Numpy, CatBoostClassifier, pyTelegramBot, Postgres SQL, sklearn.AffinityPropagation, Sanic web fraemwork.
- Master Bot Kit (Designer of multifunctional telegram bots. The project took first place at Selectel Hackaton). - React, Redux, Postgres, Semantic UI, pyTelegramBot. bash Linux, Sanic.
- Vk Profi (Vocational guidance bot for VK based on ML. algorithms) - Catboost, Pandas, VKApi, Flask