Olga Seraya

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EDUCATION

MOSCOW INSTITUTE OF PHYSICS & TECHNOLOGY

BS in Applied Mathematics & Computer Science
Grad. July 2021 | Moscow, Russia
GPA: 3.2 / 4.0

Bachelor Thesis
Subject: GAN-based methods applied to generating adversarial examples against face-recognition models.

Coursework
Algorithms & Data Structures • Computer Networks • Deep Learning in Natural Language Processing • Design and Development of Information Systems • High-load System Design • Linear Algebra • Machine Learning • Software Design Patterns • Theory and Practice of Concurrent Computing

MS in Data Analysis & Information Systems Development
Expected Grad. July 2023 | Moscow, Russia

SKILLS

PROGRAMMING LANGUAGES & TECHNOLOGIES

Recent experience:
APIs • C • **C++** • CSS • **Docker** Flask • **Git** • HTML • **Java** • Keras • LaTeX • **PostgreSQL** • **Python** **Pytorch** • Spring • **Tensorflow** • Unix
Familiar:
Django • JavaSctipt • JQuery • Pytest • React

HUMAN LANGUAGES

Russian (native) • English (advanced)

INTERESTS

NATURAL LANGUAGE PROCESSING

Studied different NLP problems (text classification, generation, summarization, POS-tagging etc.). Participated in kaggle competitions.

EXPERIENCE

YANDEX

Junior Software Engineer | Smart Devices Infrastructure
Since September 2021 | C++17, Python2/3, Flask, HTML/CSS, PostgreSQL | Moscow, Russia

- Optimized configuration update scheduling by making the synchronization period configurable: reduced number of requests to backend by 10%
- Implemented various features for the internal service used by testing and support teams
- Participated in load testing, refactored code, wrote tests
- Currently working on migrating distributed metrics calculation from Python to C++

SBER

Junior Data Scientist | Corporate Collection Department
January 2020 – September 2021 | Python, Tensorflow, Docker, Selenium | Moscow, Russia

- Developed classification and regression models for optimizing debt management strategies
- Developed image classification models for automating the moderation process and deployed them to production
- Worked on automating the process of assignee monitoring: developed an application for collecting necessary data through web scraping
- Analyzed A/B testing strategies
- Wrote reports and made presentations

Data Science Intern | Corporate Collection Department
June 2020 – January 2021 | Python, Pytorch, Tensorflow, Flask | Moscow, Russia

- Developed an extraction-based model for short documents summarization
- Researched and developed abstractive and extractive summarization methods (recurrent and transformer-based architectures)
- Researched unsupervised outlier detection in text data (focusing on Recurrent AutoEncoders)

PROJECTS

QRATOR LABS

January 2020 – May 2020 | C++11, Python | Moscow, Russia

- Worked in a team developing a framework for detecting heavy hitters: finding the set of flows contributing significant amounts of traffic to a link
- Implemented algorithms for traffic filtering
- Implemented a queue-based scheme for better traffic imitation while testing
- Maintained performance dashboards for displaying quality metrics and memory usage
- Organized team meetings and communication, managed the documentation of the work process and formulated the tasks for other team members