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++ • Docker
CSS • Flask • HTML • Java
Keras • LaTeX • Python
Pytorch • SQL • Tensorflow • Unix
Familiar:
Django • JavaSctipt • 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
Since September 2021 | C++11, Python2/3, PostgreSQL | Moscow, Russia

SBER
JUNIOR DATA SCIENTIST
January 2020 – September 2021 | Python, Tensorflow, Docker, Selenium | Moscow, Russia
- Developed a ranking model for optimizing the call center routine.
- Developed image classification models for automation of the moderation process and deployed them to production.
- Worked on automating the process of the assignee monitoring: developed an application for collecting necessary data through web scraping.
- Wrote reports and made presentations.

DATA SCIENCE INTERN
June 2020 – January 2021 | Python, Pytorch, Tensorflow, Flask | Moscow, Russia
- Implemented an extraction-based algorithm for generating summary for short documents.
- Researched and developed abstractive and extractive summarization methods (including fine-tuning and implementing 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 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.