

Belyanova Marina

Contacts

Location: Moscow, Russia

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Education

Bauman Moscow State Technical University September 2013 – June 2017

- Information and Control Systems
- Degree: Bachelor
- Specialization: Automated Systems of Data Processing and Control
- Advisers: PhD of physics-technical sciences, Gapanyuk U.E.

Bauman Moscow State Technical University September 2017 – June 2019

- Information and Control Systems
- Degree: Master
- Specialization: Automated Systems of Data Processing and Control
- Advisers: PhD of physics and technical sciences, Gapanyuk U.E.

Bauman Moscow State Technical University September 2019 – now

- Information and Control Systems
- PhD student
- Specialization: Automated Systems of Data Processing and Control
- Advisers: PhD of physics and technical sciences, Gapanyuk U.E.

Technopark Mail.RU

September 2015 – August 2017

- Specialization: System Architect

Experience

Electronics For Everyone, Moscow, Russia

System Administrator, Programmer

May 2015 – May 2017

- Linux administrating
- Disassembling

Sberbank Real Estate Center (DomClick), Moscow, Russia

Python Developer

May 2017 – November 2017

Fraud detection on the texts of phone calls

Forecasting deal time

- python
- numpy
- scipy
- pandas
- scikit-learn
- CatBoost
- XGBoost
- PostgreSQL

KTS Studio, Moscow, Russia

Python Developer

November 2017 – October 2018

Chat bots constructor for social networks

Makeup detection on photos

- python
- numpy
- NLTK
- aiohttp
- motor
- pycrypto
- NLP
- Docker
- Neural networks
- MongoDB

Julia/Java Developer

October 2018 – June 2019

Prediction of perfect psychotype for vacancy and cv

- Julia
- docker
- http.jl
- dataframes.jl
- Java
- Gradle
- Stanford NLP

Python Developer

June 2019 – September 2019

Skillfolio – an instrument to test your soft and hard skills

- python
- PostgreSQL
- Django
- REST
- Celery
- Docker
- GitlabCI

Machine Learning engineer

February 2019 - now

Development of mobile application to measure the duration of speech on meetings

- Swift
- React-native
- Java for Android
- Speaker Recognition
- python
- Telegram Bots
- C++
- ffmpeg

School №1580, Moscow, Russia

Math teacher assistant

September 2018 – June 2019

Prepare and teach advanced math for 8/9 grade pupils

- tex
- math

Honours and Awards

VK Cup 2016 – 3d Round, Top 2% of teams

Competitive programming contest

Hackathon Tinkoff Bank Era of Bots – Winner

Chat bot for clients support

Hackathon Technology of Opportunities – Winner

Detecting and audio playback of written text

Open Hackathon of Finance Services – Honorable mention

Recognising text on bills

AIST International Conference

Analysis of Images, Social networks and Texts – Participant

Hybrid chatbot system with combined FAQ and Knowledge-Base approaches

International Symposium on Neural Networks – Participant

Comparison of Convolutional Neural Networks and Search Based Approaches for Extracting Psychological Characteristics from Job Description

Publications

- Belyanova M.A. Simulated Annealing and its Application to solving Optimization Tasks. Youth science-technical bulletin. – M.: Bauman Moscow State Technical University, №7, 2015. – 9p.

- Gapanyuk U.E., Revunkov G.I., Spiridonov S.B., Belyanova M.A., Butylyova U.M., Turkevich A.S., Kadiev Z.D. Using the metagraphic approach in a peptide chain formation training program. Natural and technical sciences. 2017.- №6, -p.146-148.
- Yuriy Gapanyuk, Sergey Chernobrovkin, Aleksey Leontiev, Igor Latkin, Marina Belyanova, Oleg Morozhenkov. The hybrid chatbot system combining Q&A and knowledgebase approaches, Supplementary Proceedings of the Seventh International Conference on Analysis of Images, Social Networks and Texts (AIST 2018). Moscow, Russia, July 5 - 7, 2018.
- Yuriy Gapanyuk, Aleksey Leontiev, Igor Latkin, Sergey Chernobrovkin, Marina Belyanova, Oleg Morozhenkov. The hybrid intelligent Russian language based dialog information system using metagraph approach. Dynamics of complex systems. №1, 2018.
- Belyanova M. et al. Comparison of Convolutional Neural Networks and Search Based Approaches for Extracting Psychological Characteristics from Job Description // International Symposium on Neural Networks. – Springer, Cham, 2019.

Computer Languages

Python, C/C++, Julia, Java

Skills

- | | | |
|---|---|---|
| <ul style="list-style-type: none"> • Python numpy scipy pandas scikit-learn aiohttp NLTK Django pycrypto motor TensorFlow | <ul style="list-style-type: none"> • Machine Learning Speaker Recognition Neural Networks Natural Language Processing CatBoost XGBoost • Databases MySQL PostgreSQL MongoDB | <ul style="list-style-type: none"> • CI/CD docker docker-compose gitlab-ci • Julia http.jl dataframes.jl • Other algorithms ffmpeg math |
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Hobbies

Mathematics, Teaching, Reading