

andrewstepanov

curriculum vitae

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languages

russian - native
english - C2
french - A1

coding

Python, C, C++
Bash, R
Cython, Java, C#
GLSL

frameworks

Tensorflow, Keras
Django, Bootstrap, Kivy
OpenGL, Unity
GRPC, Protocol Buffers

skills & technologies

Docker, Docker
Compose, Git, Envoy
deep learning, speech
recognition, computer
vision, machine learning

education

2017 – Present	M.Sc. Majoring in applied mathematics and CS	Moscow Institute of Physics and Technology
2017 – Present	Student Specializing in CS	Yandex data school
2013 – 2017	B.Sc. magna cum laude Majoring in applied mathematics and CS Thesis: <i>Character-level RNNLM for morphologically complex languages in speech recognition</i> GPA: 4.9 / 5	Moscow Institute of Physics and Technology
August 2012	Summer camp student Specialized in algorithms and data structures	Summer informatics school
August 2011	Summer camp student Specialized in algorithms and data structures	Summer informatics school
2002 – 2013	Student magna cum laude Specialized in mathematics and physics	Samara lyceum of information and technology

experience

July 2016 – Present	Data Scientist Work on speech recognition system for call-center conversations, including: <ul style="list-style-type: none">gathering and cleaning speech data for trainingtraining and evaluating deep learning models with Tensorflowsuccessfully applying microservice patterns to facilitate system decompositionusing Tensorflow Serving and GRPC to serve trained models in productionsetting up communication bus for microservice architecture with Envoy	Tinkoff Bank
April 2017 – Present	Lecturer Gave several lectures on deep learning, machine learning and speech recognition in fintech	Fintech school

awards & certificates

July 2017	TOEFL iBT Result: 105 / 120 PDF or paper certificate available upon request	MBA Strategy
April 2016	Tinkoff Chatbot Challenge Developed a chatbot for financial service support using Python and ElasticSearch, earned 1st place	Boosters
March 2013	Russian olympiad in informatics Prize-winner	Ufa, Russia

projects

Feb – Jun 2017	C++ game developer Developed a simple OpenGL game with C++ and GLSL	Island game
Dec 2016	Full-stack developer Worked in a team that developed a service for car drivers to upload and visualize their geo-tagged tracks.	mapdrive
Sep – Nov 2016	Python game developer Took part in development process of an Acromage-like card game for US presidential election 2016. Used Python and Kivy framework to implement game logic and UI.	TrumpStamp
Aug 2016	Chatbot developer Worked in a team that developed Telegram chatbot for point of sale consumer financing using Telepot and Python.	Undisclosed project
Feb – Jul 2016	Full-stack developer Took part in development process of a service that automated acquisition of key computational resources (CPU, GPU, RAM) for machine learning tasks using containerized environment. Used Django, Docker and Docker Compose to develop and automate key service processes. Also used HTML, CSS, Bootstrap to design and implement comprehensive user experience.	getnb.io
Oct 2012 – Apr 2013	Android Developer Developed Android application for smart photo editing using optimization techniques and computational algorithms. Worked on and successfully implemented deconvolution algorithms and fast fourier transform for image processing. Also developed UI and main application architecture and logic.	Deblurlt (Goolge Play link)

online courses

Jul – Aug 2016	Unsupervised learning Part of Machine learning and data analysis specialization by MIPT and Yandex. Earned course certificate	Coursera
Jul – Aug 2016	Supervised learning Part of Machine learning and data analysis specialization by MIPT and Yandex	Coursera
Feb – Mar 2016	Python and mathematics for data analysis Part of Machine learning and data analysis specialization by MIPT and Yandex. Earned course certificate	Coursera
Jan – Feb 2016	Android Fundamentals by Google	Udacity