Konstantin Dorichev

Data Scientist
focused on Deep Learning and Computer Vision

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Deep Learning & Data Science Specialization

2019–present	**Practical Deep Learning for Coders**, *MOOC at fast.ai*.
2019–present	**Introduction to Computer Vision**, *Georgia Tech University*, Udacity.
2019	**Deep Learning Specialization**, *Neural Networks and Deep Learning; Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization; Structuring Machine Learning Projects; Convolutional Neural Networks; Sequence Models*, DeepLearning.ai, Certificates, Coursera.
2018	**Applied Data Science with Python Specialization**, *Introduction to Data Science; Applied Plotting, Charting & Data Representation; Applied Machine Learning; Applied Text Mining; Applied Social Network Analysis*, University of Michigan, Certificates, Coursera.

Experience

2019–present	**Contributing to the Open Source Deep Neural Network library development**, *Fastai*.
2019	**Projects and Articles**.

- Malaria Cells Image Classification with Residual Neural Network
- Edge Detection on static images and video stream with OpenCV and Matlab
- Image classification web app, hosted on AWS
- BigQuery and Public Datasets. Overview for Data Analysts

Other Experience

2011–2017 Experienced Solutions Architect, *Packet Core and GPON*, Ericsson, Moscow and Saint Petersburg.

Responsibilities:

- BUSINESS AND SOLUTIONS DEVELOPMENT: Discovering new opportunities by helping customers discern their needs and achieve their business goals with offered products and services
- SOLUTIONS DEVELOPMENT: Bids/offers preparation, requirements of the customers clarification, processing and structuring input data to ensure the solution fits the expectations
- PROJECT MANAGEMENT Organizing, coordinating and leading the team of various specialists
- MARKETING SUPPORT AND CONSULTANCY: Developing datasheets, white-papers and technical presentations

Achievements:

- Multi-year contract with a leading mobile operator in Mongolia covering network development, HW & SW upgrade and support

2004–2011 Pre-sales, Integration and Technical Support Engineer, *IN Networks, Access Networks, GPON*, Alcatel-Lucent, Moscow.

Responsibilities:

- SOLUTIONS DEVELOPMENT, IMPLEMENTATION AND DELIVERY: both technical and financial offers preparation
- MARKETING SUPPORT: developing datasheets, white-papers and technical presentations
- CONSULTANCY for operators in optimizing quality of xDSL networks, comprehensive network analysis and troubleshooting
- INSTALLATION, DEMONSTRATION, INTEGRATION & CONSULTANCY: IMS, Applications Server | SIP, Supplementary telephone services
- INSTALLATION, INTEGRATION & TROUBLESHOOTING of various systems

Achievements:

- Network modernization, new services introduction and technical support for leading mobile and fixed networks operators in Russia and Europe
- L1 & L2 trainings for a leading fixed operator in Kazahstan that led to SW upsale.

2001–2004 Systems Administrator, *EPIC Advisors (Russia) Ltd.*, Moscow.

Achievements:

- Office IT-infrastructure rebuilt based on Linux and MS Windows servers & hosts, PABX installed & configured.
- Technical support.
- Office relocated and IT-infrastructure rebuilt in new premices without services interruption.

1996–2001 Software developer, *Ministry of Defence*, Moscow.

Achievements:

- An application developed for real time data processing, analysis and reporting in a multi-node network environment, C/C++.

Education

1991–1996	**Math & Computer Science**, *Space Military Academy*, MS, with golden medal, Saint-Petersburg.
1987–1991	**Telecom Engineering**, *Telecommunications school*, BE, with honors, Smolensk.

Extra

2016	**Python for Everybody Specialization**, *Getting Started with Python; Python Data Structures; Using Databases with Python; Using Python to Access Web Data*, University of Michigan, Coursera.
2016	**Introduction to Programming with MATLAB**, *Vanderbilt University*, Coursera.
2016	**Introduction to LaTeX**, *Higher School of Economics*, Coursera.
2014	**Software Defined Networking**, *Georgia Inst. of Technology*, Coursera.
2011	**Mastering Requirements**, *Alcatel-Lucent University*, Training.
2010	**Opportunities and Account Management**, *The TAS Group*, Training, Dealmaker.
2009–2010	**Trainings**, *Center for Business Skills Development*, Moscow.
	○ **Sales Strategy & Selling to Key Accounts**
	○ **Finance For Non-financial Managers**
	○ **Presentation Skills**
2009	**Getting Things Done**, *Decisiveness and Problem solving for Bid Managers*, Tiba, Training.
2001	**Information Security**, *British Council*, Diploma, Saint Petersburg.

Computer skills

Languages:	Python, SQL, Regexp, C/C++	Visualization:	Matplotlib, Seaborn
Tools:	TensorFlow, PyTorch, Pandas, NumPy, Scikit-Learn	DevOps:	Linux, Git, PyTest, AWS, GCP

Skills

Analysis	Advanced	*Ability to gather, process & visualize data*
Presentation	Advanced	*Ability to convey the message in a clear and concise way*
Communication	Advanced	*Ability to listen, ask questions*
English	Fluent	*I catch myself thinking in English, reading more books in English than in Russian*
Teaching	Advanced	*Ability to independently learn new things & pass on gained competence*

Honors & Awards

○ Ericsson Certified Technology - IP
○ Graduation with honors (Golden medal)
○ A Husband of One
○ A Father of Four