

Konstantin Dorichev

Data Scientist

focused on Deep Learning and Computer Vision

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Deep Learning & Data Science Specialization

2019 **Practical Deep Learning for Coders**, MOOC at fast.ai.

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.

2019–present **Introduction to Computer Vision**, Georgia Tech University, Udacity.

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**, 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
- 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**, Alcatel-Lucent, Moscow.

Responsibilities:

- BUSINESS DEVELOPMENT
- 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 Kazakhstan 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 premises 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 L^AT_EX**, *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