



Diana Sungatullina

Born: 20 OCTOBER 1992
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 [GitHub](#)
 [Google Scholar](#)

WORK EXPERIENCE

DECEMBER 2021 – PRESENT	Junior Researcher (as part of my PhD studies) at CZECH INSTITUTE OF INFORMATICS, ROBOTICS AND CYBERNETICS , Prague, Czech Republic Research in image matching and backpropagation through minimal problem solvers for relative pose estimation.
AUGUST 2019 – FEBRUARY 2021	Research Engineer at INSPECTOR CLOUD , Moscow, Russia Worked on image stitching, OCR, and object detection on mobile devices.
MARCH 2017 – JULY 2019	Research Intern at COMPUTER VISION GROUP , Skolkovo Institute of Science and Technology, Moscow, Russia Supervisor: Victor Lempitsky Worked on photorealistic image resynthesis; research published at ECCV'18.
JUNE 2016 – AUGUST 2017	Consultant at REALD INC. (as part of the licensing agreement) Accelerated the Eye Contact Technology on mobile devices.
SEPTEMBER 2015 – DECEMBER 2016	Research Engineer at COMPUTER VISION GROUP , Skolkovo Institute of Science and Technology, Moscow, Russia Supervisor: Victor Lempitsky Worked on the gaze correction problem for videoconferencing. Results published at ECCV'16 (featured in The Verge) and TPAMI'18. Skoltech licensed the Eye Contact Technology to RealD Inc. .

EDUCATION

2022 – PRESENT	PhD degree in COMPUTER SCIENCE Faculty of Electrical Engineering Czech Technical University in Prague, Prague, Czech Republic Thesis title: LEARNING TO SOLVE MULTIVIEW GEOMETRY supervisor: Tomas Pajdla
2009 – 2014	Specialist degree (equivalent to BSc+MSc) in APPLIED MATHEMATICS AND COMPUTER SCIENCE Assigned at MATHEMATICAL METHODS OF IMAGE PROCESSING LABORATORY Faculty of Computational Mathematics and Cybernetics Lomonosov Moscow State University, Moscow, Russia Thesis title: REGISTRATION METHOD FOR MEDICAL IMAGES OF TISSUE SAMPLES supervisor: Andrey Krylov GPA: 4.83/5.0 Graduated with Honors

SKILLS

PROGRAMMING LANGUAGES:	Python (PyTorch), C / C++, C#, MATLAB
OPERATING SYSTEMS:	Debian, Mac OS, Microsoft Windows
TOOLS:	OpenCV, Bash, Vim, Make, GCC, Git, \LaTeX , Docker
SPOKEN LANGUAGES:	English (Upper-Intermediate), Russian (Native)

INTERNSHIPS

SEPTEMBER – OCTOBER 2013	CENTRE FOR BIOMEDICAL IMAGE ANALYSIS , Masaryk University, Brno, Czech Republic supervisor: Vladimir Ulman Worked on registration and alignment of histological image data.
JULY – SEPTEMBER 2012	ADVANCED DIGITAL SCIENCES CENTER , University of Illinois Research Center in Singapore, Singapore supervisor: Jiwen Lu Conducted research on age-invariant face recognition, which was published at FG'13.

SUMMER SCHOOLS & WORKSHOPS

APRIL 2024	ELLIS Computer Vision Workshop, Modena, Italy
MAY 2023	ELLIS Computer Vision Workshop, Metzingen, Germany
SEPTEMBER 2022	ELLIS Doctoral Symposium (EDS), Alicante, Spain
JULY 2017	International Computer Vision Summer School (ICVSS), Sicily, Italy
AUGUST 2015	Microsoft Machine Learning and Intelligence School, Saint Petersburg, Russia

TEACHING EXPERIENCE

MARCH 2022	Teaching Assistant for GEOMETRY OF COMPUTER VISION AND GRAPHICS Czech Technical University in Prague, Prague, Czech Republic lecturer: Tomas Pajdla
FEBRUARY – MARCH 2017	Teaching Assistant for SIGNAL AND IMAGE PROCESSING Skolkovo Institute of Science and Technology, Moscow, Russia lecturer: Stamatios Lefkimmiatis
SEPTEMBER 2015	Teaching Assistant for ORDINARY DIFFERENTIAL EQUATIONS Lomonosov Moscow State University, Moscow, Russia lecturer: Svetlana Solovyova

PUBLICATIONS

[Diana Sungatullina](#), [Tomas Pajdla](#). “MinBackProp – Backpropagating through Minimal Solvers”. Journal of WSCG, vol. 32, no. 1-2, pp. 41-50, 2024.

[Diana Sungatullina](#)¹, [Egor Zakharov](#)¹, [Dmitry Ulyanov](#), [Victor Lempitsky](#). “Image Manipulation with Perceptual Discriminators”. 15th European Conference on Computer Vision (ECCV), vol. 6, pp. 587-602, 2018.

[Daniil Kononenko](#), [Yaroslav Ganin](#), [Diana Sungatullina](#), [Victor Lempitsky](#). “Photorealistic Monocular Gaze Redirection Using Machine Learning”. IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI), vol. 40, issue 11, 2018.

[Yaroslav Ganin](#), [Daniil Kononenko](#), [Diana Sungatullina](#), [Victor Lempitsky](#). “DeepWarp: Photorealistic Image Resynthesis for Gaze Manipulation”. 14th European Conference on Computer Vision (ECCV), vol. 2, pp. 311-326, 2016.

[Diana Sungatullina](#), [Andrey Krylov](#), [Dmitry Fedorov](#). “Fast registration algorithms for histological images”. Scientific Visualization, vol. 6, issue 4, pp. 61-71, 2014.

[Diana Sungatullina](#), [Jiwen Lu](#), [Gang Wang](#), [Pierre Moulin](#). “Multiview discriminative learning for age-invariant face recognition”. 10th IEEE International Conference and Workshops on Automatic Face and Gesture Recognition (FG), pp. 1-6, 2013.

¹indicates equal contribution