≤ k.mazur21@imperial.ac.uk	
 Imperial College London Ph.D. student in Computer and Robotic Vision Dyson Robotics Lab; Supervisor: Andrew J. Davison 	2021 - preser
 Skolkovo Institute of Science and Technology, GPA: 3.83 out of 4.00 M.Sc. in Mathematics and Computer Science (with honors) Thesis: "Cloud Transformers". Supervisors: Victor Lempitsky and Gonzalo Ferrer First year project: "Learnable point cloud descriptors for depth-only odometry and SLAM" 	2018 - 202
Yandex School of Data Analysis (YSDA),GPA: 4.84 out of 5.00 Computer Science (Masters-level degree school organized by Yandex)	2016 - 201
 Higher School of Economics (NRU HSE), GPA: 9.22 out of 10.0 B.Sc. in Mathematics Thesis: "On the Families of Quartics and Rational Curves on the Quotient of the Quartic by 	2014 - 201 • the Involution"
Publications	
SuperPrimitive: Scene Reconstruction at a Primitive Level <u>Kirill Mazur</u> , Gwangbin Bae, Andrew J. Davison Introduces a new representation for monocular scene reconstruction based on image segme IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2024	[project page, video ents.
Feature-Realistic Neural Fusion for Real-Time, Open Set Scene Understanding <u>Kirill Mazur</u> , Edgar Sucar, Andrew J. Davison Presents a new real-time high-dimensional feature fusion technique for open set scene under IEEE International Conference on Robotics and Automation (ICRA) 2023	[project page, video erstanding.
Point-Based Clothing Modeling Ilya Zakharkin [*] , <u>Kirill Mazur</u> [*] , Artur Grigorev, Victor Lempitsky Presents a new technique for a visual try-on and clothes re-targeting for complex garments. IEEE/CVF International Conference on Computer Vision (ICCV) 2021	[project page, code
Cloud Transformers: A Universal Approach To Point Cloud Processing Task <u>Kirill Mazur</u> , Victor Lempitsky Presents a new layer for 3D point clouds processing that achieved SoTA results on four variou VEEE/CVF International Conference on Computer Vision (ICCV) 2021	[project page, code
Experience	
 Samsung Al Center Research Engineer at Virtual Human Telepresence Lab Published 2 first (co-)author papers at a top computer vision venue (ICCV). "Cloud Transformers": Research on neural point cloud processing. "Point-Based Clothing Modeling": Research on neural 3D clothes modeling and its visual t 	Jun. 2019 - Jul. 202
Yandex Intern ML Engineer at Computer Vision Lab • Developed a model for Object Localization which reduced the response time by 75% and do	Jun. 2018 - Sep. 201
 Mapted Tensorflow's object detection project for Yandex Infrastructure 	
Invited Talks and Academic Service	
Reviewer CVPR 2024, ICRA 2023-2024	
-	

Imperial College London TA at Robotics course	Spring 2023, Spring 2024
Skolkovo Institute of Science and Technology TA at Deep Learning course	Spring 2020
Higher School of Economics / Yandex School of Data Analysis Research seminar curator	Sep. 2018 - Dec. 2019
Yandex School of Data Analysis (YSDA) TA at Algorithms and Data Structures course	Sep. 2018 - Jan. 2019