

Aleksandr Tsyplenkov

CONTACT INFORMATION	Moscow, Russia	Mobile/Telegram: +79167184973 GitHub: github.com/altsyplenkov E-mail: altsyplenkov@gmail.com
PROFILE	4 th year undergraduate student pursuing a bachelor degree in Cartography and Geoinformatics at Lomonosov Moscow State University (Faculty of Geography).	
EDUCATION	Lomonosov Moscow State University (LMSU), Faculty of Geography, Department of Cartography and Geoinformatics <ul style="list-style-type: none">B.Sc. in <i>cartography and geoinformatics</i> (currently undergraduate) Undergraduate Thesis (3^d grade): "<i>DEMs smoothing filtering for the morphometric values calculation</i>" — successfully defended; 2024 Undergraduate Thesis (4th grade): "<i>Smoothing filtering of the ArcticDEM DSM for unforested and undeveloped areas</i>" — to be defended; 2025	
ADDITIONAL EDUCATION	LMSU – Green finance and sustainable development - elective	2022
	LMSU – Introduction to Python programming - elective	2022
	The Moscow School of Programming – Data Science (Python course)	2020
	The Moscow School of Programming – Computer Networks	2020
	The Moscow School of Programming – Introduction to C# programming	2019
	The Moscow School of Programming – Introduction to C++ programming	2019
EXPEDITIONS	LMSU – White Sea Biological Station (Republic of Karelia, Russia) 2023 <ul style="list-style-type: none"><i>Topographic-geodesic practice.</i> Practice provided experience in operating modern geodetic equipment (total station, optical level, GNSS receivers), RTK survey, topographic survey execution and teamwork. LMSU – Pustozersk Landscape Reserve (Nenets Autonomous Okrug, Russia) 2023 <ul style="list-style-type: none"><i>Field thematic interpretation practice.</i> Practice provided experience in UAV survey, UAV image postprocessing, spectrometry, thematic mapping and teamwork. LMSU – Dilijan National Park (Tavush Province, Armenia) 2025 <ul style="list-style-type: none"><i>Field study of tree structures interpretation.</i> Study of possibilities to characterize tree structure by vegetation layers using dense point cloud data from UAV sensing.	
ACHIEVEMENTS	Awarded 1 st place in the Moscow City School Projects competition [Science Art Category] 2021 <ul style="list-style-type: none">Web map, illustrating the locales associated with classical Russian literature in Moscow City (Stack: R + JS (Leaflet))	
CONFERENCES	LMSU – International young scientists' forum "Lomonosov-2024" 2024 <ul style="list-style-type: none">Report on "<i>Experimental study of DEM smoothing filtering algorithms on artificial surfaces</i>" (speaker) ["Geography" section]	

OTHER EVENTS	LMSU, RAS – Russian Science Festival ”Nauka 0+”	2024
	<ul style="list-style-type: none">• Festival organization, presentation of faculty and department	
	LMSU – ”LMSU Doors Open Day”	2025
	<ul style="list-style-type: none">• Festival organization, presentation of faculty and department	
HARD SKILLS	Software:	
	<ul style="list-style-type: none">• GIS: QGIS, ArcGIS (Pro/Desktop), SAGA GIS, GRASS GIS, WhiteboxTools;• Database Management: PostgreSQL (PostGIS), MySQL;• Reference Management: Zotero;• UAV management: Pix4d, Dronedeploy, DJI Fly;• Photogrammetry: Agisoft Metashape, CloudCompare;• Design: Adobe Photoshop, Adobe Illustrator, Gimp;• Other: SNAP, MultiSpec, ILWIS, Surfer, ParaView, Panoply;	
	Coding:	
	<ul style="list-style-type: none">• Python (advanced);• R (intermediate);• C++ (pre-intermediate);• C# (pre-intermediate);	
	UAV operated:	
	<ul style="list-style-type: none">• DJI Mavic 3 (T&M), DJI Mavic 2, DJI Neo;	
	Miscellaneous:	
	<ul style="list-style-type: none">• LaTeX, Markdown, Git;• OverpassTurbo;• OSM iD, JOSM, Vespucci	
	Languages:	
	<ul style="list-style-type: none">• English (C1), Russian (Native)	
OTHER INTERESTS / HOBBIES	<ul style="list-style-type: none">• Mapping for OSM: My OSM contributions	
	<ul style="list-style-type: none">• Data visualization	