

AINUR RYCHSHANOVA

Almaty, Kazakhstan | +7 7783978214 | arychshanova@gmail.com | [linkedin.com/in/arychshanova](https://www.linkedin.com/in/arychshanova)

WORK EXPERIENCE

Tengizchevroil via AtyrauTechInvest | Remote | Sep 2022 – Present

GIS ANALYST

- Configured and maintained PODS model geodatabase serving 1500+km pipeline network, ensuring 100% compliance with corporate data standards
- Integrated real-time SCADA data into ArcGIS Dashboards, enabling 24/7 pipeline monitoring and asset integrity management
- Digitized 1500+ km of pipelines using marker-point calibration and technical documentation review

Fertoing LLC | Saint-Petersburg, Russia | Feb 2022 - Sep 2022

SENIOR GIS DEVELOPMENT SPECIALIST

- Designed architecture using ArcGIS Enterprise for multi-region projects spanning 3 administrative districts
- Generated high-resolution DEMs from 3TB+ LiDAR datasets, processing and classifying 3M+ LAS points
- Created 3D mesh models using Blender, enhancing project visualization capabilities
- Administered PostgreSQL spatial databases

Innopolis University | Innopolis, Russia | Jun 2020 - Jan 2022

GIS ANALYST

- Built pipeline vectors for oil & gas sector using ArcGIS Pipeline Referencing, processing 3200+ km of pipelines
- Implemented quarry monitoring services tracking extraction volumes and environmental compliance across 12 active sites

Sovzond | Moscow, Russia | Feb 2019 - Sep 2019

LEADING SPECIALIST, THEMATIC DATA PROCESSING

- Processed optical and SAR satellite imagery generating land-use/land-cover maps for 3000+ hectares with 89% classification accuracy
- Developed agriculture monitoring methodology using NDVI, LAI, FAPAR vegetation indices across 15M ha for crop yield forecasting
- Performed DEM/DSM analysis for elevation assessment projects, contributing to 7 land monitoring research initiatives

NC Kazakhstan Gharysh Sapary | Astana, Kazakhstan | May 2017 - Jan 2019

LEADING SPECIALIST, GEOINFORMATION SYSTEMS

- Modeled biophysical crop-yield forecasts across 15M hectares using 10-year satellite archives, achieving 85% forecast accuracy
- Updated cartographic datasets from KazEOSat, Landsat, and Sentinel satellites, producing 50+ geoportal-ready layers annually
- Coordinated multi-region field surveys managing 23-person teams and compiling quarterly technical reports for government agencies

Astana-Project | Astana, Kazakhstan | Jun 2016 - Feb 2017

GIS ANALYST

- Visualized socio-environmental statistics creating 16 thematic maps for protected areas and ecological zones
- Supervised subcontractor performance ensuring project deliverables met quality standards

EDUCATION

Advanced Diploma in Data Science at Innopolis University | Innopolis, Russia | 2021

Master in Geoinformation in Environmental Management at Mediterranean Agricultural Institute of Chania (CIHEAM IAM) | Chania, Greece | 2019-2020

Bachelor in Ecology and Environmental Management at Lomonosov Moscow State University | Moscow, Russia | 2012-2016

CERTIFICATION & LEADERSHIP

GIS Day Kazakhstan Conference Co-Organizer 2023/2024

Tengizchevroil Recognition - MapHub 2.0 Transition completed successfully 2024

Spatial Data Science: The New Frontier in Analytics - ESRI MOOC	2024
ICS-300 Incident Command System Intermediate - Chevron Corporation	2022
Infrastructure Challenges through GIS and Civil BIM - American Institute of Architects (AIA)	2020
SCGIS Global Scholarship Semifinalist	2020

LANGUAGES

Russian: Native proficiency

English: Professional working proficiency

Chinese (Mandarin): Elementary proficiency