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Personal information

Surname(s) / First name(s)	**Gridnev, Aleksei**
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Date of birth	28.01.1993

Relevant work experience

Date	January 2022 - March 2024
Company	Rystad Energy AS, Analysis department, Shale Well team
Position	Senior Data Analyst
Duties	- developing tools automated collection of publicly available satellite imagery to monitor locations of the recently drilled wells in US and Canada using Python - developing an ML model to classify satellite images of recently drilled wells to identify their stage of activity - developing and maintaining a system for forecasting hydrocarbon production and drilling activity in the US and Canada using SQL Server and Python - optimizing already existing SQL stored procedures to reduce the processing time - managing Git repository for Python scripts and SQL stored procedures - preparing weekly reports on fracking activity in the US and Canada - managing three mid-level data analysts, two of whom remotely
Date	January 2020 - December 2021
Company	Rystad Energy AS, Analysis department, Shale Well team
Position	Analyst
Duties	- developing web scrapers for automated collection of publicly available data on hydrocarbons production and activity in several US states using Python - developing automated collection of satellite data to monitor locations of the recently drilled wells in US and Canada using Python - developing system for forecasting hydrocarbons production and drilling activity in the US and Canada using SQL Server and Python - preparing weekly reports on fracking activity in the US and Canada
Date	October 2019 - December 2019
Company	Rystad Energy AS, Analysis department, Shale Well team
Position	Analyst, trainee

Duties	- improving the procedure for hydrocarbons production forecast in one of the US states using Python - developing the web scraper for automated data collection of hydrocarbons production and activity in one of the US states using Python

Education and training

Place and Date	Scuola Normale Superiore, Department of Political and Social Sciences (Florence seat), 2015 - 2020
Status	PhD Candidate in Political Science and Sociology.
Ph. D. Thesis	Impact of Formal and Informal Authoritarian Institutions on the Rule of Law.
Place and Date	Universitat Pompeu Fabra, Barcelona, 2014 – 2015
Title of qualification awarded	MA in Research in Political Science
Thesis title	Causes of Different Outcomes of Mass Protests in Russia (2011-2013) and Ukraine (2013-2014).
Place and Date	Moscow State Institute of International Relations (MGIMO-University), 2010 – 2014
Title of qualification awarded	Bachelor of Politics, diploma "with excellence"
Thesis title	Factors Facilitating and Impeding the Beginning of Democratization in China.

Additional education

Place and Date	Global School of Empirical Research Methods(GSERM), Sankt Gallen, Switzerland, June 2018
Courses Attended	- Applied Math and Matrix Algebra (workshop lecture) - Regression (workshop lecture) - Longitudinal Data Analysis (course, 20 hours, 4 ECTS credits).
Place and Date	ECPR Winter School, Bamberg, Germany, March 2017.
Courses attended	- Times Series Analysis (*sic!*) (15 hours).
Place and Date	ECPR Summer School, Budapest, Hungary, July-August 2016.
Courses attended	- Python Programming for Social Scientists: Web Data, Scraping and Other Useful Programming Tricks (15 hours) - Process Tracing Methodology I – Foundations and Guidelines(15 hours) - Intro to GLM: Binary, Ordered and Multinomial Logistic, and Count Regression Models (15 hours).

Languages

Russian	Mother tongue.
English	Advanced; IELTS 2013: 7.5 (Listening 7.0, Reading 8,5, Writing 7.5, Speaking 6.5); studied at MGIMO as a second language (44 ECTS credits); a course of English for political analysts; 9 years of studying / working in English.
French	Upper-intermediate; studied at MGIMO as a first language (56 ECTS credits); course of French for political analysis.
Spanish	Elementary; studied at UPF autumn and winter programs.
Italian	Intermediate; studied for 120 hours in a private school.
Norwegian	Intermediate; Listening B2, Reading B2, Writing B1, Speaking B1 (according to Norskprøven taken in 2023)

Computer skills and competences

Python	3.5 year of academic and 4.5 years of industry experience of developing scripts for web scraping (requests + bs4, selenium), data cleaning (pandas, numpy), and data analysis (scikit-learn); experience in text recognition using camelot and opencv, as well as image classification using Tensorflow
SQL Server	4.5 years of experience developing stored procedures for cleaning and normalizing the input data, matching the forecast with the benchmarks, etc.
Power BI	Experience in developing simple internal dashboards connected to SQL Server database
Atlassian tools (BitBucket, Confluence, Jira)	Experience managing SQL repository, documenting Python and SQL code, and managing my team's tasks
Atlassian tools (Azure DevOps)	Experience deploying SQL code from the Git repository (on BitBucket) to SQL development and production servers
MS Office (Word, Excel, PowerPoint, Access)	Used daily during studies and work, in particular, MS Excel pivot tables and pivot charts.
Stata	Two-trimester course of statistics using Stata 13 at UPF (15 ECTS credits).
R	Crash course of R at SNS; course in qualitative comparative analysis (QCA); course on generalized linear models in ECPR Summer School in Budapest; course of time series analysis in ECPR Winter School in Bamberg; course in longitudinal data analysis in GSERM in Sankt Gallen.

Legal information

Legal status in Norway	Permanent residence permit of Norway; authorized to work in Norway for any employer and on any role
Legal entity	Sole proprietorship "Gridnev IT Solution" (org. nr. 933787516, D&B D.U.N.S. number 34-809-7504); can work as an independent contractor and issue invoices