

ARINA IGUMENSHCHEVA

DATA SCIENTIST

SELECTED EXPERIENCE

Thorn | Remote

Senior Research Scientist Data Analyst

Feb 2021 – Oct 2021

Jul 2019 – Feb 2021

Conducted exploratory data research studies to shed light on online child sexual exploitation and inform strategic decision-making across teams. Applied data science techniques like NLP, unsupervised learning, regression and network analysis to gain insights from large, diverse and unstructured data sources. Served as a technical subject matter expert and led reporting, forums, presentations and deep-dive sessions. Established the technical infrastructure, processes and best practices for ethically sound data-driven research science. Helped grow and develop the team through assisting in hiring, refining team objectives and key results, advising on team practices and advocating for team culture. Advocated for and strove to practice diversity and inclusion in data-driven research science.

Freelance | NYC

Data Visualization Consultant

Jan 2019 – Sep 2021

Designed and built interactive data visualizations using Plotly, D3.js, JavaScript and other data visualization libraries.

Annalect | NYC

Data Scientist

May 2018 – Dec 2018

Defined and scored audiences for client projects from diverse big data sources using AWS Redshift SQL. Improved ETL practices and data quality analytics using python. Researched novel graph analytics applications for consumer behavior clickstream data. Built data visualization applications using JavaScript and D3.js.

Brigham & Women's Hospital, Preventive Medicine | Boston, MA

Information Systems Programmer

Aug 2013 – Feb 2016

Managed large health survey databases using SAS, SQL and bash. Extracted, cleaned, and processed survey data in SAS. Prepared analysis datasets. Developed and updated internal web interfaces for study data collection in PHP, JavaScript, HTML and CSS.

Detica | Boston, MA

Data Analyst

May 2011 - Jan 2013

Implemented fraud and anti-money-laundering detection software that uses network analysis to identify potential fraud and money-laundering behavior within client data. Duties included ETL, data mining, statistical analysis, network-based data analysis, fraud and money-laundering behavior scoring.

SKILLS

Machine Learning

Python & relevant packages

Classification algorithms

Clustering algorithms

Natural language processing

Network analysis

Recommender algorithms

Statistical Analysis

Regression, time series

Hypothesis testing, inference

EDA, DQA

Data Collection & Management

SQL, Elasticsearch, MongoDB, Neo4j

Web scraping

Data Science Replicability

Git, GitHub, DVC

Cloud computing, AWS, GCP

Docker

Data Visualization

Plotly, Matplotlib

D3.js, Javascript, HTML, CSS

Data Science Leadership

Best practices of ethical data science

OKR goal-setting framework

Commitment to inclusive, diverse &

innovative team culture

EDUCATION

Metis Data Science Bootcamp

Data Science, full-time 12-week training program certification

University of Rochester

Mathematics, Bachelor of Science

Economics, Bachelor of Arts