


Boris Gorelik, PhD

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 <https://gorelik.net>

Summary

I'm a data scientist, algorithm developer, data visualization enthusiast, and lecturer. I have been solving data-intensive problems since 2001.

Experience

Data science, machine learning advisor

Freelance

Jan 2020 - Present (3 years 3 months)

I lead data projects and data people. I take data projects from an idea to production. I mentor and teach.

Time series analysis; Recommender systems; Anomaly detection; Fraud detection; Social network analysis; Classification and regression; Data visualization; Optimization algorithms.

Chief Technology Officer

Wizer.me

Jul 2022 - Present (9 months)

Wizer.me is a free, simple, and quick tool for teachers to create their own interactive worksheets, easily find relevant materials and customize them to their needs.

Data Scientist

StreamElements

Nov 2022 - Jan 2023 (3 months)

I was hired as the first data scientist on the team. I had to leave due to layoffs.

Head of Data

MyBiotics Pharma LTD

Jan 2020 - Jul 2022 (2 years 7 months)

MyBiotics is a life science company developing products based on live bacteria to improve health and life quality. I built the company's data science team and infrastructure

Senior Data Scientist

Quicklizard (TASE:QLRD)

Jan 2020 - Apr 2021 (1 year 4 months)

I worked with customers to deliver pricing excellence by combining state-of-the-art theory with the instant feedback of pricing algorithms.

Data Scientist

Automattic

May 2014 - Jan 2020 (5 years 9 months)

I was the first data scientist hired by Automattic, the company behind WordPress.com, WooCommerce, and other products. I led projects in churn prediction, social network analysis, growth hacking, anomaly detection, content recommendation, and NLP text generation

RSA Principal Research Scientist, CTO Identity Protection & Verification @ RSA

RSA Security

Dec 2012 - May 2014 (1 year 6 months)

Developed and utilized statistical analysis and measurement methods applied to real-life transaction records of several of top 20 banks

Core developer of a new unsupervised method for authentication fraud detection.

In this project I co-designed the algorithm, optimized its performance and tested it on tens of millions real-life data points. The algorithm has been shown to provide excellent results with online banks, investment firms and healthcare provider data.

Software and bioinformatics manager

Procognia Israel Ltd

Jun 2012 - Jan 2013 (8 months)

Direct responsibility for all the data science aspects of every activity in the company.

Senior bioinformatician and algorithm developer

Procognia Israel Ltd

Jan 2009 - Jan 2013 (4 years 1 month)

Re-implemented and improved company's flagship bioinformatics model in extra-tight time frame

Was in charge of the company's major machine learning project. Originated and led a constrain-based optimization project for integrating real-life data. Applied non-supervised learning techniques for data quality tests.

Simulation expert and Pharmacokinetics/Pharmacodynamics modeller

Optimata

Mar 2007 - Jan 2009 (1 year 11 months)

Developed novel methods for population modeling, stochastic curve fitting, and parameter estimation methods for the population modelling. Re-wrote company's Pharmacokinetic/Pharmacodynamic (PK/PD) mathematical models

Education



The Hebrew University of Jerusalem

Ph. D, Computational chemistry

2001 - 2007

Licenses & Certifications

 **Data Carpentry Instructor****Skills**

Analytics • Leadership • Analytical Skills • Bioinformatics • Machine Learning • Statistical Modeling •
Mathematical Modeling • Data Science • Social Network Analysis • Natural Language Processing (NLP)