

## SUMMARY

- Data Scientist with over 10 years of hands-on experience in machine learning, recommendation systems, applied statistics, data visualization, and data-driven decision making
- Skilled in steering the full spectrum of the data science lifecycle from ideation to production, establishing a strategic vision for analytics teams, and seamlessly collaborating with cross-functional units including Engineering and Product
- Accomplished in influencing product strategies and investment decisions through data-driven insights and adept in translating complex data stories into actionable recommendations for a wide range of stakeholders

## WORK EXPERIENCE

### Zwift (Long Beach, CA / remote)

#### LEAD DATA SCIENTIST

September 2022 - present

- Leading the development and deployment of a customer-facing, near real-time ML model, from research to a production-ready model in Databricks, significantly enhancing the customer experience and engagement in racing, contributing to reduced churn
- Fostered collaboration with the product team and stakeholders to ensure model specifications were aligned with business objectives and user needs
- Initiated and established a systematic data quality review process, emphasizing data validation, anomaly detection, and consistency checks to maintain data integrity across sources

### Posit (remote, part-time)

#### MENTOR

January 2022- present

- Facilitating hands-on learning in R and Python for data professionals through Posit Academy's innovative, practice-based apprenticeship model, emphasizing real-world application and interactive tutorials
- Providing expert mentorship, including bi-weekly interactive sessions for personalized feedback and guidance, significantly enhancing learners' data science capabilities and project outcomes

### InsideTracker (Cambridge, MA)

#### LEAD DATA SCIENTIST / DATA SCIENCE MANAGER

August 2019 - September 2022

- As the first Data Science hire, played a pivotal role in defining the data science function within the company. Established the core Data Engineering infrastructure and developed a Data Analytics framework to support stakeholders in Marketing, Product, and Executive teams. Managed a team of three direct reports
- Led end-to-end data science projects, involving the building of machine learning models and advanced statistical analyses with a diverse range of data, including structured and unstructured datasets from blood biomarkers, genomic data, and wearable sensors. Developed and deployed algorithms that are integral to the company's production systems, contributing to one of the most successful features in the product lineup

### Harvard Medical School / Dana Farber Cancer Institute (Boston, MA)

#### RESEARCH SCIENTIST

July 2016 - August 2019

- Led bioinformatics analysis of sequencing data with a focus on developing machine-learning based algorithms and statistical methods to study allelic imbalance in gene expression and associated epigenetic signatures
- Co-authored an R package for differential allele-specific analysis and co-authored 5 peer-reviewed articles

## EDUCATION

Lomonosov Moscow State University  
**Department of Bioengineering and Bioinformatics**

**PHD IN BIOINFORMATICS**

2010 - 2016

Lomonosov Moscow State University  
**Department of Bioengineering and Bioinformatics**

**BS and MS IN BIOINFORMATICS**

2005 - 2010

## CERTIFICATIONS

Deep Learning Specialization (5 courses)  
**DeepLearning.AI**

2018

Certified trainer - tidyverse  
**RStudio Instruction Certification**

2020

## SKILLS

Python (Pandas, scikit-learn, TensorFlow, PySpark)  
R (ggplot2/tidyverse, R Markdown/Quarto, Shiny)  
SQL, Java  
AWS, Databricks, dbt, Git, Jira, Agile methodology  
Deep Learning, Generative AI

## INTERESTS

Long distance running (Boston Marathon qualifier)  
Human Physiology/Digital Health/Wearables  
Teaching and Mentoring