

 Boston, MA

SUMMARY

- Data Scientist with 6+ years of experience in Machine Learning, Predictive Modeling, Applied Statistics, and Data Visualization
- Proved experience with helping companies and customers to make sense of data coming from blood tests and wearable sensors, and to use those insights to improve health outcomes and sports performance
- Proficient in managing the entire data science lifecycle including establishing the vision and roadmap for the data science team, building and productionizing machine learning models, communicating results with stakeholders and other non-technical audiences, and working cross-functionally with Engineering and Product teams

WORK EXPERIENCE

InsideTracker (Cambridge, MA)

LEAD DATA SCIENTIST

August 2019 - Present

- Leading the Data Science team to integrate a unique dataset of blood biomarkers and genomic data with physiological data from wearable sensors, perform end-to-end analyses, and build new product features
- Built core Data Engineering infrastructure supporting the data science function, and set up internal consulting service supporting the Marketing, Product, and Executive teams

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

RESEARCH FELLOW

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 and published an R package for differential allele-specific analysis and co-authored 5 peer-reviewed articles

Lomonosov Moscow State University (Moscow, Russia)

PhD CANDIDATE

July 2010 - July 2016

- Developed a computational approach and implemented a GWT web-service to incorporate RNA probing data into mRNA secondary structure predictions and genome-wide search for structured RNAs
- Authored 4 papers in peer-reviewed scientific journals and presented results at 6 international conferences
- Co-developed and taught 4 courses, with a leading role in developing a course on "R language and its application in bioinformatics" taught to over 200 students over 3 years

Institute for Systems Biology SPB (Moscow, Russia)

BIOINFORMATICIAN

July 2010 - January 2013

- Applied system-pharmacology modeling to different stages of drug research and development, and analyzed clinical PK/PD trials results
- Contributed to several projects closely interacting with colleagues from pharmaceutical companies and presenting results to external clients

EDUCATION

Lomonosov Moscow State University
Department of Bioengineering and Bioinformatics

MS IN BIOINFORMATICS

2005 - 2010

Lomonosov Moscow State University
Department of Bioengineering and Bioinformatics

PhD IN BIOINFORMATICS

2010 - 2016

SKILLS

R (ggplot2/tidyverse, R Markdown, Shiny)
Python (Pandas, NumPy, TensorFlow)
Java, SQL, NoSQL, Microsoft Azure, AWS
Git, REST APIs, Jira, Agile methodology

INTERESTS

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