

Isabella Adams

Data Science Manager

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Bothell, WA 📍

[LinkedIn](#) in

Work Experience

Seattle Genetics – Data Science Manager

2021 - current

Bothell, WA

- Worked alongside 6 data scientists to develop predictive models for drug discovery, causing a **31% rise in target identification precision** using AWS Lambda for scalable computing.
- Leveraged Azure Kubernetes Service for deploying 2 machine learning models, achieving a 29% reliability uptick.
- Directed the development of a real-time analytics platform using Tableau, increasing data visibility for R&D teams and shortening decision-making processes by 4 days.
- Handled 7 cross-functional projects between data science and biotech research teams, discovering 3 new biomarkers for treating cancer.

Amazon – Data Scientist

2018 - 2021

Seattle, WA

- Implemented a real-time data ingestion and processing system on Kafka, processing 527K+ messages.
- Engineered a Scala-based microservices architecture for a high-throughput data processing application, **reducing data latency by 58 ms**.
- Optimized SQL databases on Microsoft Azure, enhancing query response performance by 29% while supporting real-time analytics.
- Improved the accuracy of predictive models by 11% using XGBoost algorithms, helping brands on Amazon avoid stockouts.

Fred Hutchinson Cancer Research Center – Statistical Analyst

2016 - 2018

Seattle, WA

- Integrated Apache Spark with existing research databases, processing complex queries 22 minutes quicker than the legacy system.
- **Analyzed 1,149 datasets each year**, finding trends and patterns that contributed to groundbreaking research findings in an evolving cancer cell.
- Managed the data integrity and validation process for an important longitudinal study, ensuring 97% precision in reported results.
- Used a proprietary statistical algorithm that identified 6 previously unknown correlations to exciting projects, leading to 13 new areas of research.

Education

University of Washington – Bachelor of Science, Data Science

2012 - 2016

Seattle, WA

Skills

AWS Lambda; Word2Vec; Azure Kubernetes Service; Subversion; Microsoft Azure; Kafka; Tableau; XGBoost; Apache Spark; Scala