

# Julia Bobrovskiy

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## PROFESSIONAL PROFILE

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As a professional in the Data Science and Machine Learning space I am passionate about using data to inform how we shape business processes while exploring the edge of technical innovation. I am interested in topics ranging from supply chain, natural language processing, and automation with an emphasis on building end-to-end data driven solutions.

## EDUCATION

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### University of California, Berkeley

Berkeley, CA

Master of Information and Data Science

August 2021 - December 2023

Relevant Coursework: Machine Learning at Scale, Computer Vision, NLP with Deep Learning

### University of Washington

Seattle, WA

BS, Informatics with a concentration in Data Science

September 2015- June 2019

## SKILLS AND TOOLS

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**Programming Languages:** Python, R, Spark, SQL, Java

**Technical Skills:** AWS (Sagemaker, S3, EC2, ECR), Airflow, Linux, Snowflake, Databricks, Microsoft Excel, Tableau

## EXPERIENCE

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### Nike World Headquarters, Beaverton OR

#### Senior Machine Learning Engineer, Advanced Analytics Machine Learning

February 2021 – Present Day

- Lead a team of engineers in the commercial analytics space to create scalable and re-usable data products that directly drive supply chain decisions and outcomes, subsequently contributing to responsiveness and acceleration of Nike's supply chain.
- Implement end to end machine learning solutions that use product as well as supply chain related features to solve challenging problems in the inventory, supply, and digital demand sensing spaces.
- Grow engineering team and ensure extended lifecycle for our products by following engineering best practices emphasizing consistency, standardization, and containerized cross-platform solutions.
- Continuously engage in proof-of-concept projects to ensure we are implementing current solutions, for example, suggesting a later adopted Catboost model to solve an inventory related problem that was previously implemented using a heuristic approach.

#### Data Scientist/Data Engineer, Rotational Program

August 2019 – February 2021

- Developed an ML forecasting solution that leverages internal technology incident data to elevate the speed of resolution for tech incidents across Nike by adding predictive insights into future tech related issues, reducing downtime for all employees.
- Utilized SQL, Spark, and Airflow to deliver data solutions to Nike's Targeted Marketing team that drive personalized communications with consumers, increasing the percentage of email/push notification interaction.
- Worked with point-of-sale data to generate insights on how our product moves through the supply chain, and how it is acquired by our consumers, driving efforts to shorten the product lifecycle to get products in consumer hands faster.
- Performed cross-platform model deployment while improving scalability and minimizing costs of using AWS by enhancing the ETL process for SQL queries using PySpark.

#### Advanced Analytics and Machine Learning Intern

June 2018 – August 2018

- Generated scalable outlier detection algorithms, providing patterns in athlete movements to inform how Nike product influences how athletes move, giving insight into how we can better customize our product for our consumers through data ingestion, processing, modeling, and API deployment.