

LUKE HURST

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4,735 Consecutive Days Running a Mile or More

EDUCATION

University of Michigan, Ann Arbor
B.S.E in Computer Science & Engineering

GPA: 3.6/4.0
April 2017

EXPERIENCE

Nike Technology

Sr Software Engineer - Advanced Analytics

Beaverton, OR

November 2021 - Present

- Designed, implemented, and deployed three large scale data and model pipelines and one API for model serving using data technologies such as Spark, Databricks, Airflow, and S3 in Python
- Assessed and implemented improvements to legacy data and model pipelines to improve stability and reduce cost and runtime by optimizing data access and right-sizing infrastructure
- Collaborate with cross functional teams to lead and teach software engineering best practice usage in data science and machine learning pipelines

Nike Technology

Data Engineer - Advanced Analytics

Beaverton, OR

February 2019 - November 2021

- Built and maintained the data, application, and hosted the model for sneaker launch demand forecasting that unlocked over \$4M in EBIT per geo/season
- Utilized full stack technologies ranging from ETL (Airflow, EMR, Spark), to backend (Python, Flask, AWS Lambda/API Gateway), and frontend (AngularJS, HTML5)
- Provided technical and system design leadership when approaching engineering problems and communicated with leadership, stakeholders, and team members

Nike Technology Rotation

Rotation 3: Service Management Developer

Beaverton, OR

August 2018 - February 2019

- Built RESTful API's enterprise management services like incident management to allow integration and automation with the enterprise management tool, saving over 120 hrs/week in manual work
- Ensured API authorization, authentication, and rate limiting, and followed REST best practices so that API consumers could self-serve and add value quickly

Rotation 2: Advanced Analytics Data Engineer

March 2018 - August 2018

- Built an automated platform health testing system that probed the most commonly used tools as well as critical system integrations and sent proactive alerts to minimize impact to analytics operations
- Enabled data scientists by building a framework for containerizing models with Docker to allow easier development, troubleshooting, and seamless deployment throughout the platform

Rotation 1: Supply Chain Application Engineer

July 2017 - March 2018

- Implemented an SAP inventory planning tool and modified existing data flows to improve always available product levels and save over \$4M in inventory positions
- Improved and maintained a full-stack web application in a fully agile framework

TECHNICAL STRENGTHS

Programming Languages

Web Technologies

Databases

Tools

C++, C, Java, JavaScript, Python, Swift, ARM Assembly
Angular, React, REST, Node.js, Express, Spring Boot, Flask
Oracle SQL, Teradata, MySQL, SQLite, Snowflake, Spark, Hive
Linux, Git, Vim, Jenkins, Docker, Airflow, Terraform, Databricks