# AVA MURPHY

*Data Science Engineer*

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- 📍 Seattle, WA
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## EDUCATION

Bachelor of Science

Data Science

**University of Washington**

- 📅 2015 - 2019
- 📍 Seattle, WA

## SKILLS

- Python
- Power BI
- TensorFlow
- Hadoop
- MySQL
- Apache NiFi
- Amazon Web Services (AWS)
- Git
- Docker
- Luigi

## WORK EXPERIENCE

### Data Science Engineer

**Amazon**

📅 2022 - current    📍 Seattle, WA

- **Cataloged 3.2 TB of big data in Hadoop**, ensuring compliance with Amazon's data governance standards and improving data retrieval time by 32%
- Overhauled data workflows using Apache NiFi, processing 5.2 million data points per day and optimizing Amazon Prime delivery schedules
- Automated demand forecasting with AWS SageMaker, improving inventory accuracy for 12.4k SKUs
- Expanded cross-functional collaboration by integrating Git for version control across a 24-member team, improving deployment times by 32 hours per sprint

### Data Analyst

**Tableau Software**

📅 2019 - 2022    📍 Seattle, WA

- Analyzed sales performance data using Python, uncovering trends and boosting product sales by $922K per year
- Upgraded analytics workflows by deploying Docker for streamlining data environment setups, saving 321 hours in annual configuration tasks
- Developed an advanced sales pipeline visualization using Tableau, **driving $4.3M in quarterly revenue** through actionable insights
- Designed ETL pipelines in Luigi, processing 1.7 million records per day with a 99.8% success rate

### Data Entry Clerk

**Expedia Group**

📅 2017 - 2019    📍 Seattle, WA

- Monitored real-time data feeds with Apache NiFi, ensuring seamless updates of travel inventory across 126 regions
- Managed daily data entry operations for reservation systems, using MySQL, **maintaining a 99.9% error-free record for 12,800+ entries** per month
- Trained 8 staff on Power BI, expediting data reporting and saving 19 hours of manual spreadsheet analysis per week
- Approved over 9,208 data submissions for upload to Expedia's central booking system per month, meeting compliance