

Shannon Percival Smith (she/her)

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Objective

Detail-oriented and highly motivated graduate student with strong technical skills in data science, machine learning, and data management. Seeking an internship position as a **Data Scientist Intern at [COMPANY NAME]** to apply my expertise in Python, SQL, and machine learning to support the company's data-driven decision-making and operational goals.

Education

Master of Science in Information Management, Specialization in Data Science

University of Washington | Expected Graduation March 2026

- Relevant coursework: Data Science, Machine Learning, Data Ethics, Statistical Analysis
- Developed projects using Python, Pandas, scikit-learn, SQL, and NumPy, applying regression analysis and decision trees to solve real-world problems
- Gained practical experience in building machine learning models to predict outcomes, including classification, regression, and time-series forecasting
- Conducted exploratory data analysis and built predictive models for large datasets using Jupyter Notebooks
- Actively engaging in self-directed learning, expanding proficiency in Python and data science tools to apply in financial decision-making
- Strong focus on ethical data management, privacy regulations, and creating accessible financial products for diverse user bases.

Bachelor of Science in Honours Biology

University of British Columbia | 2013 - 2018

- Deans Honours List

Work Experience

Program Coordinator, Critical Incident Stress Program

British Columbia Emergency Health Services (BCEHS) | August 2023 - present

- Developed confidential billing processes using data anonymization techniques for BCEHS paramedics
- Designed audit measures using Python to validate invoice payments
- Led data analysis efforts, creating quarterly reports with multivariate analysis to assess psychological injury rates
- Utilized Power BI, Excel, and Google Colab for ETL processes, automating data pipelines to streamline reporting
- Applied SQL, Python, and R to analyze critical incident data and program efficiency

Co-founder

TIN & VINTNER | April 2021 - present

- Manage all aspects of eCommerce business, including purchasing inventory, shipping, customer service, professional photography, and accounting
- Maintain 100% 5-star consumer review rating

Business Data Analyst & Operations Team Lead

Vancouver Division of Family Practice | September 2018 - June 2022

- Led the development and implementation of a new organizational management information system
- Analyzed data models using R, SQL, and Power BI to forecast future needs for family physicians in Vancouver
- Managed a team of four, fostering an inclusive and collaborative environment
- Automated data processing and HR approval workflows to improve efficiency

Technical Skills

- Programming Languages: Python, SQL, R, DAX, Visual Basic
- Machine Learning: Scikit-learn, TensorFlow, XGBoost, Regression, Classification
- Data Visualization: Power BI, Tableau, ggplot2, Seaborn, Matplotlib, ArcGIS
- Data Management: ETL pipelines, Jupyter Notebooks
- Databases: MSSQL, MySQL, PostgreSQL

Certificates

- Data Science and Machine Learning Certificate Program | *MIT Institute for Data, Systems, and Society* | July 2024
 - Tools & Libraries: NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, PyTorch, Hadoop, Spark
 - Focus Areas: Multivariate analysis, classification, regression, network analysis, deep learning, big data analytics

Volunteering

- Domestic Violence Transition House Volunteer, *The Salvation Army* | October 2020 - present
- Family Volunteer, *Canuck Place Children's Hospice* | May 2023 - present

Personal Interests

- Bicycle touring, ultramarathon running

References

Available upon request