

# Sean Brown

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Master of Data Science (MDS) graduate (June 2026) from the University of British Columbia with a BSc in Computer Science. Brings two years of experience through internships, research, and technical roles, with hands-on expertise in machine learning, data analysis, and end-to-end ML pipelines. Seeking to contribute to data-driven products and applied AI solutions in a Data Science or Machine Learning role.

## KEY TECHNICAL SKILLS

### Programming Languages

- Python, R, SQL, Rust
- C++, C, C#, Java
- HTML, CSS, React
- TypeScript, JavaScript

### Core Machine Learning / Data Science

- Supervised/Unsupervised Learning, Deep Learning
- Data Preprocessing, EDA
- Feature Engineering and Selection
- End-to-End Pipelines, Reproducible Environments (Docker)

### Libraries & Frameworks

- Scikit-learn, XGBoost / LightGBM
- TensorFlow and PyTorch
- Pandas, NumPy
- Matplotlib, Seaborn

## EDUCATION

### Master of Data Science – University of British Columbia

September 2025 – June 2026

- GPA 4.1

### Bachelor of Science, Computer Science – Simon Fraser University

January 2021 – December 2024

- Awards: President's List Honor Roll for GPA 4.0 and above; Dean's List Honor Roll for GPA 3.5 and above

## TECHNICAL WORK EXPERIENCE

### Software Developer Intern – Harris Computer / Cayenta

February 2025 – September 2025

- Developed a new ERP application utilizing technologies such as React, GraphQL, and Golang.
- Lead developer of an AI-powered assistant integrated into the application, enabling users to create and manage workflows through queries.
- Contributed across the full stack, implementing frontend components and backend services.
- Closed the highest number of tickets on the development team over an eight-month period.

### Data Integration Developer BI Co-op – Harris Computer / Cayenta

May 2023 – December 2023

- Developed SQL Scripts for integrating multiple systems, including Bland ERP platforms.
- Utilized REST APIs to request data, then mapped that data to make it suitable for our system.
- Developed a file upload functionality for a new product line, designed the architecture which consisted of TM1 scripts, Java, JavaScript, and Excel macros.
- Created “portals” to present customer data in a meaningful manner to users.

### AI Research Assistant – Supervisor Parsa Rajabi

May 2024 – November 2024

- Generated research topics and refined research questions with my supervisor.
- Conducted exploratory research, applying quantitative methods to analyze over 40 research papers.
- Authored research paper “Evaluating ChatGPT’s Readiness and Accuracy in Creating Contextualized Computational Thinking” pertaining to the use of AI in modern Computer Science classrooms, under supervision and guidance of Parsa Rajabi.

## OTHER WORK EXPERIENCE

### Barista – Starbucks

March 2018 – February 2023

- Developed strong customer service, communication, and sales skills, recognized as Employee of the Quarter (2021).

### Lead Singer-Songwriter / Band Leader (Teen Years) – Shon Burnett (Artist Name)

2012 – 2019

- Led creative projects and teams demonstrating leadership, communication, and execution skills transferable to technical environments.
- Awards: Three-time televised competition finalist, recognized nationally and internationally for creativity, resilience, and competitive excellence.