Sean Brown

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

KEY TECHNICAL SKILLS

Programming Languages:
- Python, R, SQL
- C++, C, Java
- HTML, CSS, React
- Typescript, Javascript

Core Machine Learning / Data Science
- Supervised/Unsupervised 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, September 2025 – June 2026
- University of British Columbia

Bachelors of Science - Computer Science, January 2021 – December 2024
- Simon Fraser University

TECHNICAL WORK EXPERIENCE

Intern Software Developer - *Harris Computers/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

Co-op Data Integration Developer (BI) - *Harris Computers/Cayenta*   *May 2023- December 2023*
- Developed SQL Scripts for integrating multiple systems, including BI and 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 initial exploratory research, reading over 40 different 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

Starbucks – *Barista*   *March 2018 - February 2023*
- Developed strong customer service, communication, and sales skills, recognized as **Employee of the Quarter (2021)**

Lead Singer-Songwriter / Band Leader   *2012 - 2019*
- Led creative projects and teams demonstrating leadership, communication, and execution skills transferable to technical environments