

Myles Harrison

Data Scientist and educator with over a decade of experience with analytics, Big Data, and machine learning.

PORTFOLIO |

 nlpfromscratch.com

 mylesharrison.com


 [mylesharrison](https://www.linkedin.com/in/mylesharrison)

 [mylesmharrison](https://github.com/mylesmharrison)


KEY COMPETENCIES

- Natural Language Processing
- Large Language Models (LLMs)
- Machine Learning
- Python (numpy, pandas, matplotlib, sklearn)
- Cloud Computing (AWS, GCP)
- Big Data (Hadoop, Hive, Spark)
- Data Visualization & Business Intelligence (Tableau)
- SQL, Data Modeling, and ETL
- Deep Learning (Keras, Pytorch)
- Inferential & Applied Statistics
- A/B & Multivariate Testing
- Development and MLOps (Git, Docker)

EDUCATION

 **University of Melbourne**

Graduate Diploma of Education
2007

 **University of Waterloo**

B.Math (Applied Mathematics)
2002 - 2006

WORK EXPERIENCE

NLP from scratch

Founder and Trainer

AUG 2023 - PRESENT

As the founder of NLP from scratch, I am on a mission to empower individuals to transform their careers with the technical skills needed in the field of natural language processing (NLP) and large language models (LLMs).

Georgian College

Professor, Artificial Intelligence (Part-Time)

MAY 2023 - AUG 2023

- AIDI 1001 - Conversational AI - NLP, Chatbot Frameworks (DialogFlow & Alexa)

BrainStation

Team Lead, Data Science

JUNE 2020 - JAN 2023

- Managed and mentored a team of 11 data scientists of various seniority across multiple geographies and diverse working environments
- Onboarded, oversaw, and supported multiple teams of instructors and teaching assistants for cohorts of Full Time and Part Time Data Science Diploma programs
- Screened candidates and performed technical interviews for new team members
- Created master documents and developed standard work practices for cohort scheduling, team capacity tracking, curriculum development, and assessment
- Delivered curriculum materials for full-time program and managed and mentored classes ranging in size from 5 - 30+ students

Lead Educator, Data Science

FEB 2019 - JUNE 2020

- Lead delivery of multiple cohorts of full time diploma program, managing cohort teams of Educators and Teaching Assistants
- Reviewed and approved curriculum development work by other team members
- Individually developed lectures and labs on topics such as RDBMS, Big Data & Cloud Computing, MLOps, data visualization, and career development

Accenture

Manager, Digital Business Integration

DEC 2018 - FEB 2019

- Managed team of Big Data developers and machine learning engineers productionizing marketing score models (batch and streaming) for Canadian telecommunications provider on Hadoop, Spark, Nifi and Cassandra

Consultant, Digital Business Integration

FEB 2017 - DEC 2018

- Developed times series anomaly detection framework at scale on AWS in pyspark
- Analyzed terabytes for leading US veterinary care provider using Hive and Spark
- Provided recommendations Enterprise Data Platform for Canadian "Big Five"
- Gathered requirements, designed, and developed Tableau dashboards of omnichannel marketing data for large Canadian bank
- Applied ML for B2B account revenue prediction for large American telco

 **PricewaterhouseCoopers (PwC)**

Senior Associate, Consulting & Deals

JANUARY 2016 - FEBRUARY 2017

- Design and build of cost-to-serve model for CPG beverage supplier from manufacturing to profitability
- Modeled rare-event financial time series prediction problem using R and python (numpy / sklearn)
- Visualized retail inventory and sales data for product rationalization and informing purchasing strategy
- Built dashboards for troubleshooting and quality control of scientific survey data using Spotfire
- Processed and analyzed digital lottery and gaming customer behavior and demographics using R & Tableau

Independent

Advanced Analytics Consultant

SEPTEMBER 2015 - DECEMBER 2015

Retail Advanced Analytics, Affinity and Association Rule Analysis of purchasing behavior for major retail brand

 **Eyereturn Marketing**

Data Scientist

JULY 2015 - SEPTEMBER 2015

Implemented document similarity algorithm at scale for fraud detection using Apache Pig and Python

 **SapientNitro**

Senior Associate, Marketing Strategy & Analysis

JANUARY 2014 - JULY 2015

- Created data pipeline for association rule learning of retail transactions using Hadoop, Hive, and Mahout
- Served as subject matter expert for event-based online/offline predictive modeling of retail customer behavior
- Developed and executed ETL processes between disparate data sources (NoSQL, web analytics)
- Analyzed multichannel digital analytics data using a variety of tools (R, Tableau, SQL, Excel)
- Mentored junior associates in analysis, visualization and strategy work

Associate, Marketing Strategy & Analysis

JANUARY 2013 - DECEMBER 2013

Digital Analytics, Optimization and Testing, and Digital Strategy Consulting for Fortune 50 Retailer

 **Aon Hewitt**

Setup Configuration Specialist, Defined Benefit

SEPTEMBER 2011 - OCTOBER 2012

 **Scotiabank**

Quality Assurance Analyst, Credit Scoring & Financial Risk

NOVEMBER 2010 - SEPTEMBER 2011

 **Natural Resources Canada**

Geomagnetic Hazard Analyst

APRIL 2009 - AUGUST 2010

- Processed large quantities (GBs) of scientific data in batch using IDL, shell scripting, and cron
- Developed code for mathematical modeling of Arctic telluric currents in frequency domain
- Co-authored report on geomagnetic hazard assessment of proposed northern gas pipeline
- Developed code for analysis and modeling of radiation environment on Molniya satellite orbit

Scientific Assistant, Geomagnetism

MARCH 2008 - APRIL 2009

Surveying, instrument calibration, data management, numerical and scientific computer programming