# **Myles** Harrison

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

#### PORTFOLIO|









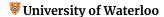
#### **KEY COMPETENCIES**

- · 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



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
- $\boldsymbol{\cdot}$  Applied ML for B2B account revenue prediction for large American telco

# pwc 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

# **2** 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)
- $\bullet$  Mentored junior associates in analysis, visualization and strategy work

#### Associate, Marketing Strategy & Analysis

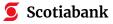
JANUARY 2013 - DECEMBER 2013

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

# A Aon Hewitt

Setup Configuration Specialist, Defined Benefit

SEPTEMBER 2011 - OCTOBER 2012



Quality Assurance Analyst, Credit Scoring & Financial Risk

NOVEMBER 2010 - SEPTEMBER 2011

#### **I**◆I 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